

GRAIN DEALERS JOURNAL

Devoted to the construction and operation of better grain handling plants.

In This Number:

Consignee's Liability for Charges

An Improved Cob Burner

Electrification of Grain Elevators

Soy Bean Oil Meal Replacing Meat Scraps

Wage Increases and Rate Reduction Impracticable
on Western Roads

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Diversification and the Grain Dealer

Harvesting and Storing Sorghum

Collapse of Elevator at Cranmer, Man.

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Making a Fortune in the Feed Business

Banks Financing Country Elevators?

Minnesota Seed Council Organized

Examine Reports on Port Differentials

Ohioans Hold Super Session at Columbus

Kansas Secretary Protests Grading of Wheat

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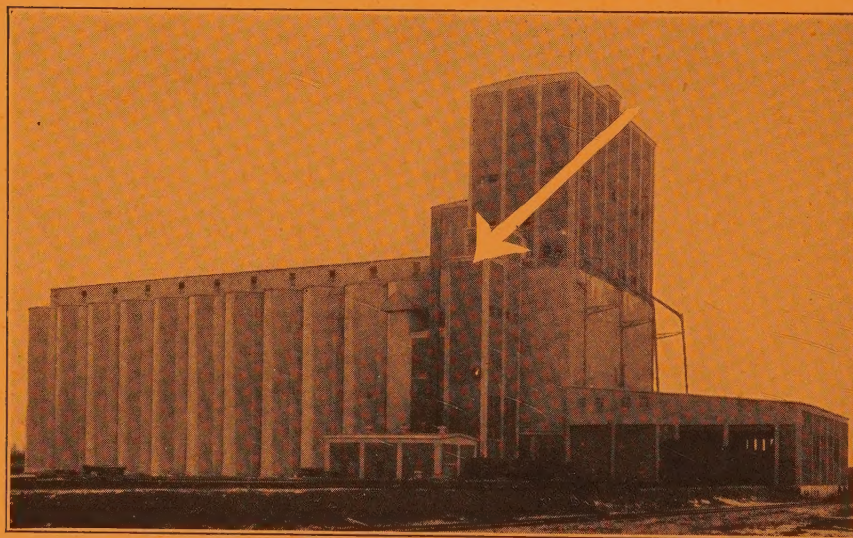
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HAVING YOUR name in this directory will introduce you to many old and new firms during the year, whom you do not know or could not meet in any other way. Many new concerns are looking for connections, seeking an outlet or an inlet, possibly in your territory. It is certain that they turn to this recognized Directory, and act upon the suggestions it gives them. The cost is only \$10 per year.

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Fitzgerald Bros. Co., recvrs-shprs hay-grain.*
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Scholl Grain Co., receivers and shippers.*

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Doggett Grain Co., wholesale grain.*
Finley, W. H., wholesale grain broker.

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White, E. O., buyer of all grades salvage grain.

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Baldwin & Co., H. I., grain dealers.*
Hight Elevator Co., grain merchants.

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Garman Grain Co., The, transit, kiln dried corn.*

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Blinn, Fred W., grain dealers.*

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Isely Lbr. Co., The C. C., cane seed, wheat, kafir.*

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Callaway, C. B., wholesale grain.*

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Egley, C. G., hay, grain, feed salt.

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Exchange Commission Co., consignments, commission.*
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Gladney Grain Co., consignments.
Kimball Milling Co., grain merchants, pub. storage.
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Rogers Co., E. M., strictly bkg. and consignments.*
Simons Grain Co., J. A., Texas oats, sorg. specialists.*
Smith-Ingraham Grain Co., domestic, expt. consignments.
Texas Grain & Seed Co., milo, kafir, red oats.*
Tillery Grain & Com. Co., export, bkg. consgmts.*
Transit Grain & Com. Co., consignments, brokerage.*
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Shaw, Thomas F., export grain.*

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Hoagland, R. B., wholesale grain.*

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Calliari Brothers, grain, hay, mill feed.

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South Texas Grain Co., grain & feed.*

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Montgomery Grain Co., F. M., receivers and shippers.*
Steinhart Grain Co., commission and brokerage.*
Witt, Frank A., grain commission and brokerage.*

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Davis Grain Co., A. C., grain commission.
Davis-Hunt Grain Co., consignments, futures.*
Davis-Noland-Merrill Grain Co., grain mchts.*
Denton Grain Co., Oliver, consignments.*
Ernst Davis Commission Co., consignments.*
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Moore-Seaver Grain Co., grain receivers.*
Norris Grain Co., wheat, oats, barley, corn.*
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Scular-Bishop Grain Co., consignments.*
Shannon Grain Co., consignments.*
Uhlmann Grain Co., grain merchants.*
Uppdike Grain Corp., consignments.
Vanderslice-Lynds Co., consignments-futures.*
Wolcott & Lincoln, consignments, futures.*
Wilser Grain Co., consignments.*
Wyandotte Elevator Co., grain merchants.*

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Ryon Grain Co., grain, beans, produce.*

LEAVENWORTH, KANS.

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Thomson Elevator Co., grain dealers.
Zorn & Co., S., receivers and shippers.*

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Scott & Sons Co., O. M., soy beans.

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Buxton, E. E., broker and commission merchant.*

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Cereal Grading Co., grain merchants.*
Davies Co., F. M., grain commission.*
Fraser-Smith Co., grain merchants.*
Hallet & Carey Co., grain merchants.*
Hiawatha Grain Co., screenings.*
McCaull-Dinsmore Co., grain merchants.*
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Scroggins Grain Co., grain merchants.*
Sheffield Elevator Co., shippers of grain.*
Stuhr-Seidl, shippers grain and feed.*

(Continued on next page.)

Directory of the Grain Trade

In Organized Markets Only Members of the Local Grain Exchange Will Be Listed

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Abel-Whitman Co., Inc., The, grain, feed, bkg.*

NORTH PLATTE, NEBR.

Leyboldt Co., D. M., whse. shprs. hay, seeds, gr. broks.

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Acme Milling Co., millers & grain dealers.*
Bennett & Co., Jas. E., grain, stocks, provisions.
Cowan Grain Co., grain, mill feed, seeds, hay.*
Hardeman-King Co., millers, grain dealers.*
Marshall-Masters Grain Co., gr., seeds, mill feeds, hay.
Mid-State Grain Co., The, grain & feed mchts.
Winters Grain Co., grain merchants.

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Butler-Welsh Grain Co., milling wheat and corn.*
Crowell Elevator Co., receivers, shippers.*
Lucke-Gibbs Grain Co., consignments.*
Scouler-Bishop Grain Co., wheat, corn, oats.*
Trans-Mississippi Grain Co., receivers and shippers.*
Udlike Grain Co., milling wheat.*

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Board of Trade Members.
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Cole Grain Co., Geo. W., receivers and shippers.*
Dewey & Sons, W. W., grain commission.*
Feltman Grain Co., C. H., grain commission.
Luke Grain Co., grain commission.*
Miles, P. B. & C. C., grain commission.*
Turner Hudnut Co., receivers and shippers.*
Rumsey, Moore & Co., consignments.*

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Stites, A. Judson, grain and millfeed.*
Tidewater Grain Co., recvrs., shprs., exporters.*

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Stewart & Co., Jesse C., grain and mill feed.*
Walton Co., Sam'l, receivers and shippers.*

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PONTIAC, ILL.

Balbach, Paul A., grain buyers, all markets.

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Grain Exchange Members.
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Branson Co., Ted, wheat, corn, oats, kafir, hay.*

SAN ANTONIO, TEX.

King, Douglas W., carlot distrbr., hay, grain, seeds.*

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Boyd-Conlee Co., specialize in soft wheats.*

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Langenberg Bros. Grain Co., grain commission.*
Martin Grain Co., grain commission.*
Geo. C. Martin Co., grain commission.*
Morton & Co., grain commission.*

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Nanson Commission Co., grain commission.*
Picker & Beardsley Com. Co., grain and grass seed.*
Schwarz Grain Co., receivers and shippers.*

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Chambers, V. E., wholesale grain.
Custenborder & Co., E. T., buyers-sellers grain.*
Wells Co., The J. E., wholesale grain.*

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GRAIN DEALERS JOURNAL
309 So. La Salle Street CHICAGO, ILL.

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It Pays*

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Grain, Hay, Beans.

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GRAIN

We Buy, Sell, Store and Ship all Kinds of Grain, Choice
Milling Wheat and Rye Selected by Expert Buyers.
Own and Operate Elevator "L"

Say you saw it in the

Journal

When you write our advertisers
Thanks

HALLET & CAREY CO.

Grain Merchants

Minneapolis

Duluth

Winnipeg

Fraser-Smith Co.

GRAIN

Minneapolis - Milwaukee

Cedar Rapids

Merchants Exchange
Members

ST. LOUIS

Merchants Exchange
Members

PICKER & BEARDSLEY COMMISSION CO.

"THE CONSIGNMENT HOUSE OF ST. LOUIS"

GRAIN, HAY, GRASS SEEDS, KAFIR, MILO

125 MERCHANTS EXCHANGE BLDG.

ST. LOUIS, MO.

Nanson Commission Co. GRAIN, HAY and SEEDS

202 Merchants Exchange Bldg., ST. LOUIS, MO.

LANGENBERG BROS. GRAIN CO.

Established 1877

St. Louis

New Orleans

CIPHER CODES

We carry the following cipher codes in stock
and can make prompt shipment.

Universal Grain Code, board cover...\$1.50
Universal Grain Code, flexible leather 2.50
Robinson's Cipher Code, leather..... 2.50
Miller's Code (1917), cloth..... 2.00
Cross Telegraphic Cipher (9th edition) 3.50
A. B. C. Code, 5th Ed., with sup....20.00
Baltimore, Export Cable Code.....15.00
Bentley's Complete Phrase Code.....15.00
Riverside Flour, Improved (6th Ed.)..12.50
Calpack Code (1923).....10.00

All prices are f. o. b. Chicago.

GRAIN DEALERS JOURNAL
309 So. La Salle St. Chicago, Ill.

Board of Trade
Members**KANSAS CITY**Board of Trade
Members**DAVIS-NOLAND-MERRILL GRAIN CO.**Board of Trade
Kansas City, Mo.Operating
SANTA FE ELEVATOR "A"
6 000,000 Bushels
Modern Fireproof Storage

Ask for our bids on Wheat, Corn, Oats, Rye and Barley for shipment to Kansas City and the Gulf—Special Bin Storage Furnished at Regular Storage Rates.

UHLMANN GRAIN CO.Board of Trade - Kansas City
87 Board of Trade - Chicago
N. P. Anderson Bldg. - Fort Worth, Tex.
Produce Exchange - New York City
Operators of Katy Elevator, 2,300,000
bushels capacity, at Kansas City**WOLCOTT & LINCOLN**Incorporated
Operating Alton Elevator
CONSIGNMENTSFuture orders executed in all markets
1407-10 Board of Trade, Kansas City
Hutchinson, Kans. Salina, Kans.
Wichita, Kans. Pratt, Kans.WHEAT
and
OATS**NORRIS GRAIN CO.**

Norris Elevator—Murray Elevator

CORN
and
BARLEY**CONSIGN**ERNST-DAVIS COM. CO.
Kansas City**A. C. DAVIS GRAIN CO.**

Grain Commission

Mill Orders a Specialty
Consignments and Future Orders Solicited
KANSAS CITY, U. S. A**SHANNON GRAIN COMPANY****CONSIGNMENTS**

1124 Board of Trade KANSAS CITY, MO.

Figure the amount of advertising carried—Can you doubt our ability to **Produce Results**Produce Exchange
Members**TOLEDO**Produce Exchange
Members**JOHN WICKENHISER & CO.**Wholesale Grain Dealers
TOLEDO, OHIO

We make track bids and quote delivered prices. Solicit Consignments of Grain and Clover Seed. Members Toledo Produce Exchange and Chicago Board of Trade.

The C. A. KING & CO.Grain Seeds
Cash Futures

"Ring King"

Reliable Service on
Consignments & Futures

Since 1887

H. W. De Vore & Co.
Toledo, Ohio**SOUTHWORTH & CO.**Grain, Seed, Cotton
Southworth's Weekly Review
FREE to all within our business range

I surely am a friend to your Journal, as thru your columns I have been able to secure positions.—Walter Hunsaker, Avard, Okla.

Grain and Hay
Exchange Members**PITTSBURGH**Grain and Hay
Exchange Members**SAMUEL WALTON CO.**

EMPIRE BUILDING PITTSBURGH, PA. GRAIN, HAY, STRAW AND FEED

Established 40 Years

RECEIVERS AND SHIPPERS

JESSE C. STEWART CO.

GRAIN and FEED

Own and Operate the
IRON CITY GRAIN ELEVATOR
PITTSBURGH, PA.
Branch Office at Clarksburg, W. Va.**HARPER GRAIN CO.**

Wabash Building

Modern elevator facilities
at your command.**R. S. McCAGUE, Ltd.**ESTABLISHED 1872
Receivers and ShippersCorn, Oats, Hay and Mill Feed
PITTSBURGH, PA.**Geo. E. Rogers & Co.**

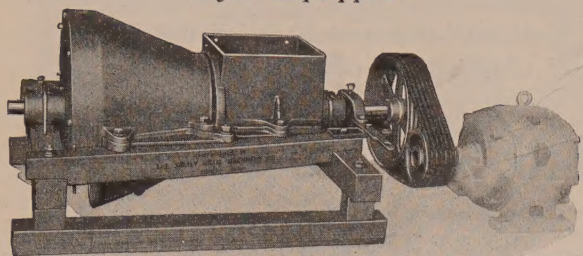
WABASH BUILDING

PITTSBURGH, PA.

RECEIVERS—SHIPPERS
GRAIN—HAY
MILLFEED—FLOURYou are likely to remain on top
in the struggle of the survival of
the fittest, if you advertise in*The Grain Dealers Journal*

Sidney Corn Shellers

Hyatt Equipped



Can Now Be Furnished with Tex-Rope Drive.

All shellers are adjustable for different kinds and sizes of corn.

Made in five sizes 80 to 1,500 bushels per hour. Available in several styles.

Be prepared to do a bigger and better shelling business. These shellers cost so little and do so much you can't afford to be without one.

Send for descriptive literature

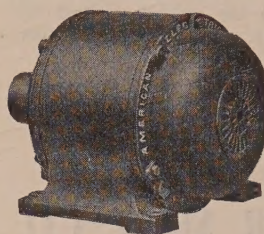
The Sidney Grain Machinery Co.
Sidney, Ohio

*Complete Equipment for Grain Elevators
and Feed Mills*



The Solution to Difficult Motor Problems

SOME of the largest users of electric motors have standardized on American Electric Motors. In every industry, where motors must operate in dust, moisture, soot, lint, gases or acid fumes, American Electric Motors are preferred for their stamina and unfailing, highly efficient performance.

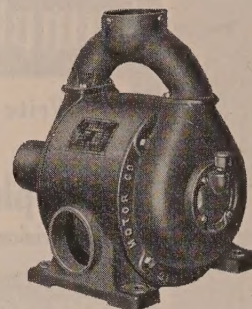


The P-K Totally Enclosed

This motor can operate in any condition of atmosphere without pipe ventilation. Ingenious engineering features make cooling of the P-K positive and efficient. The air is driven through, as well as over and around the stator laminations. The P-K is rated 40 degrees.

The Pipe Ventilated American

This motor has cage ball bearing construction and is made in sizes from $\frac{1}{2}$ to 125 H. P. It has a 40 degree rating. Special construction eliminates eddy, swirling and resistance to ventilation. Piped to a source of clean air, this motor will give trouble-free, continuous operation in any adverse atmosphere.



AMERICAN ELECTRIC MOTOR CO.

Subsidiary of the Splitdorf-Bethlehem Electrical Co.
CEDARBURG, WISCONSIN

American Electric Motors



Two and Three Phase Induction
Motors— $\frac{1}{2}$ to 125 H. P.

Write for full information and details.

CHRISTMAS GREETINGS
1928





WINTER'S

Universal Elevator Drive

Equipped with Timken Roller Bearings

Winter's Direct Elevator Drives in single unit installations have elevated over 4,500,000 bushels of grain without showing any noticeable wear or requiring any attention other than oiling twice a year.

This proven fact from actual use makes Winter's Drive your best buy.

Users save 20% to 50% on power by using Winter's Drives. This can be accomplished by operating direct on head shaft, eliminating all belts, chains, sprockets, and counter-shafts.

NO CHAINS TO BREAK! NO BELTS TO SLIP!

Guaranteed for Five Years

Descriptive Literature Sent Upon Request

CLOW-WINTER MFG. CO.

MINNEAPOLIS, MINN.

**If
You
Handle
Coal**

It will pay you to become a regular reader of

THE RETAIL COALMAN

and learn what successful retailers are doing to make their business more profitable. A newsy, snappy magazine full of practical ideas and suggestions that will make you money.

Send \$1.50 for a year's trial subscription. Your money cheerfully refunded if not entirely satisfied.

THE RETAIL COALMAN

1223 Monadnock Block

Chicago, Ill.



The Genuine Humphrey Elevator

Write for money-making information

Humphrey Elevator Co.

900 Division St.

Faribault, Minn.

*Men do more when they
ride instead of climb*

Coal Sales Book

(Improved)
For Retail Coal Dealers

It facilitates bookkeeping, and reduces the chance for error. Practically three books in one: 1. Original entry of all sales made. 2. Original entry of the scale weights. 3. Journal from which the posting is done.

It contains spaces for 10,000 wagon loads. Each page is ruled with column headings, as follows: Date, Ledger Folio, Buyer, Driver, Gross, Tare, Net, Kind, Price, Amount, Cash, Charge.

This book is 10½x15¾ inches and contains 200 numbered pages of linen ledger paper. Well bound with best binder board, covered with black cloth, with red keratol back and corners. Weight, 4 lbs.

Order Form 44 Improved. Price, \$4.00.

Grain Dealers Journal

309 So. La Salle St., Chicago, Ill.

Too Many Buyers

Read this letter received from
Cook Bros., Woodward, Iowa.

Grain Dealers Journal, Woodward, Iowa.
Chicago, Ill.

Gentlemen:—You may take out our two ads as we have received two checks for the mill and closed a deal for a motor, both results from the first issue of your Journal containing our ad.

Yours very truly,
COOK BROTHERS.

Here are the ads referred to

MACHINERY FOR SALE

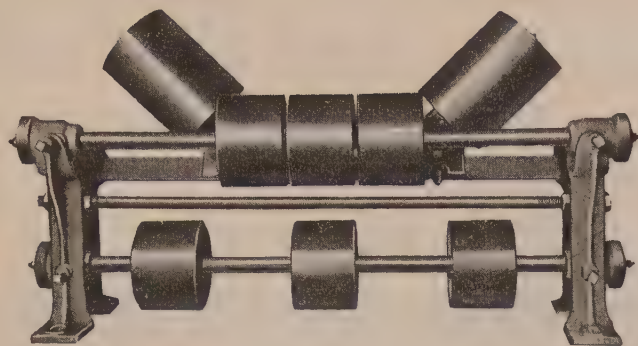
FOR SALE—Three Roll Willford Mill in good condition; \$50.00 buys it. Cook Bros., Woodward, Iowa.

DYNAMOS AND MOTORS

We want a 7 to 10 Horse Direct Current 600 Volt, about 1000 Revolutions per minute, Electric Motor. Write Cook Bros., Woodward, Iowa.

This is only one of many instances where the "WANTED—FOR SALE" columns of the Grain Dealers Journal, Chicago, have proven to grain elevator owners the logical market place for Second-Hand Machinery.

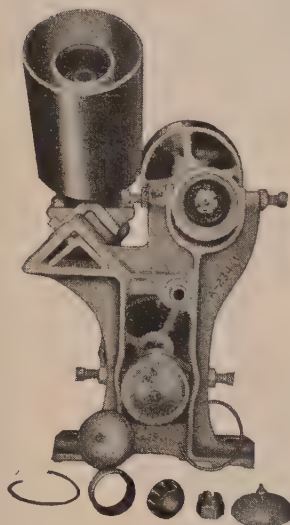
These ads cost but 25c per type line each insertion.



CONVEYING EQUIPMENT

Equipped with

TIMKEN ROLLER BEARINGS



IT IS now possible to secure more efficient conveying equipment. It is manufactured by "Ehrsam" and equipped with Timken roller bearings. This type of conveying equipment makes for greatly increased economy and efficiency in operation.

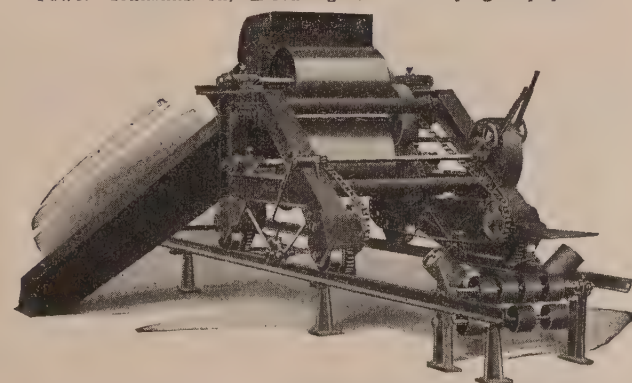
"EHRSAM"

Grain Handling & Milling Equipment

Ehrsam manufactures a complete line of grain handling and milling equipment. For over fifty years they have pioneered in equipment of this type. This insures complete satisfaction when ordering Ehrsam equipment.

J. B. Ehrsam & Sons Mfg. Co. ENTERPRISE, KANSAS

Manufacturers of Machinery for Flour Mills; Grain Elevators; Cement Plaster Mills; Salt Plants; Coal Handling and Rock Crushing Systems; Fertilizer Factories; Power Transmission, Elevating and Conveying Equipment.



The illustration shows the Ehrsam heavy duty self-propelling tripper. Equipped with roller bearings or collar oiling bearings and either worm gear or friction drive. A very efficient machine.

ECONOMIC LIFE *is often shorter than* ACTUAL LIFE

NO small part of the difficulties many grain mills are encountering today is due to their inefficient equipment.

The equipment itself may not actually be worn out ... it still runs. But it is old, obsolete and inefficient. Its methods are out of date. Its economic life is ended (or should be) although it still turns over.

The modern method of milling scratch feeds is by means of a rotary cutter! And the last word in modern, money-making, time-saving grain cutting machinery is the new Wolf Rotary Cutter, Cleaner and Grader:

—It produces the maximum amount of clean cut grain with the minimum amount of meal!

—It provides true shearing action!

—It delivers the finished product in one operation and with less power!

—Its knives may be changed in a few MINUTES—not hours.—THEY NEVER HAVE TO BE ADJUSTED!

Furthermore, the new Wolf Rotary Cutter, Cleaner and Grader is surprisingly inexpensive to install.

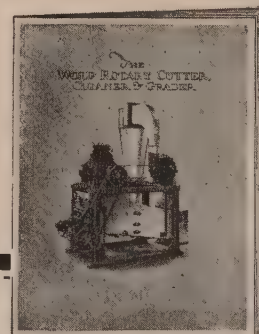
If the economic life of your present scratch feed equipment is nearing its end, if it is high time it were replaced with modern machinery, write for complete information about the new Wolf.

Rotary Cutter, Cleaner and Grader—the machine that cuts more grain in less time at greatest profit.

Use the coupon below.

THE WOLF COMPANY

65 COMMERCE STREET,
CHAMBERSBURG, PA.



Offices in Minneapolis, Kansas City, Chicago, and Oklahoma City. Representatives throughout the United States.

THE WOLF COMPANY,

65 Commerce Street, Chambersburg, Pa.

Please send me a copy of your bulletin describing the new Wolf Rotary Cutter, Cleaner and Grader.

Name

Mill

Street

City State

"Eureka - Invincible" Grain & Seed Cleaners and Feed Manufacturing Equipment

S. HOWES CO., Inc.



INVINCIBLE GRAIN CLEANER CO. SILVER CREEK, N.Y.



"EUREKA" - "INVINCIBLE"

GRAIN

CLEANING

MACHINERY

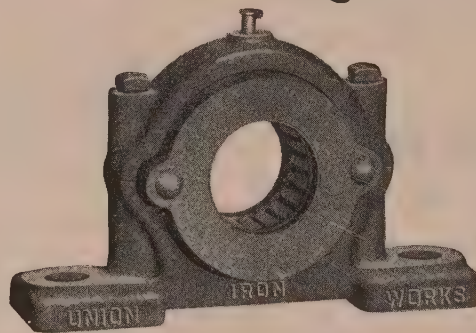
IMPORTANT

ANNOUNCING

IMPORTANT

HYATT ROLLER BEARING

WESTERN
SHELLERS AND CLEANERS
AND
LINE SHAFT EQUIPMENT



HYATT ROLLER BEARING
—PILLOW BLOCK—

WRITE FOR CIRCULAR GIVING COMPLETE DATA

UNION IRON WORKS, DECATUR, ILL.

Leaky Cars

You Know What They Cost

Kennedy Car Liners

SOLVE THIS PROBLEM

Prevent Leakage of Grain In Transit

**NO WASTE — EFFECTIVE
INEXPENSIVE — EASILY INSTALLED**

We Have Car Liners to Take Care of All Cases of Bad Order Cars
Inquiries for Details Invited.

The Kennedy Car Liner & Bag Co.

Shelbyville—Indiana
Canadian Plant At Woodstock, Ont.



The Atlas Car Mover

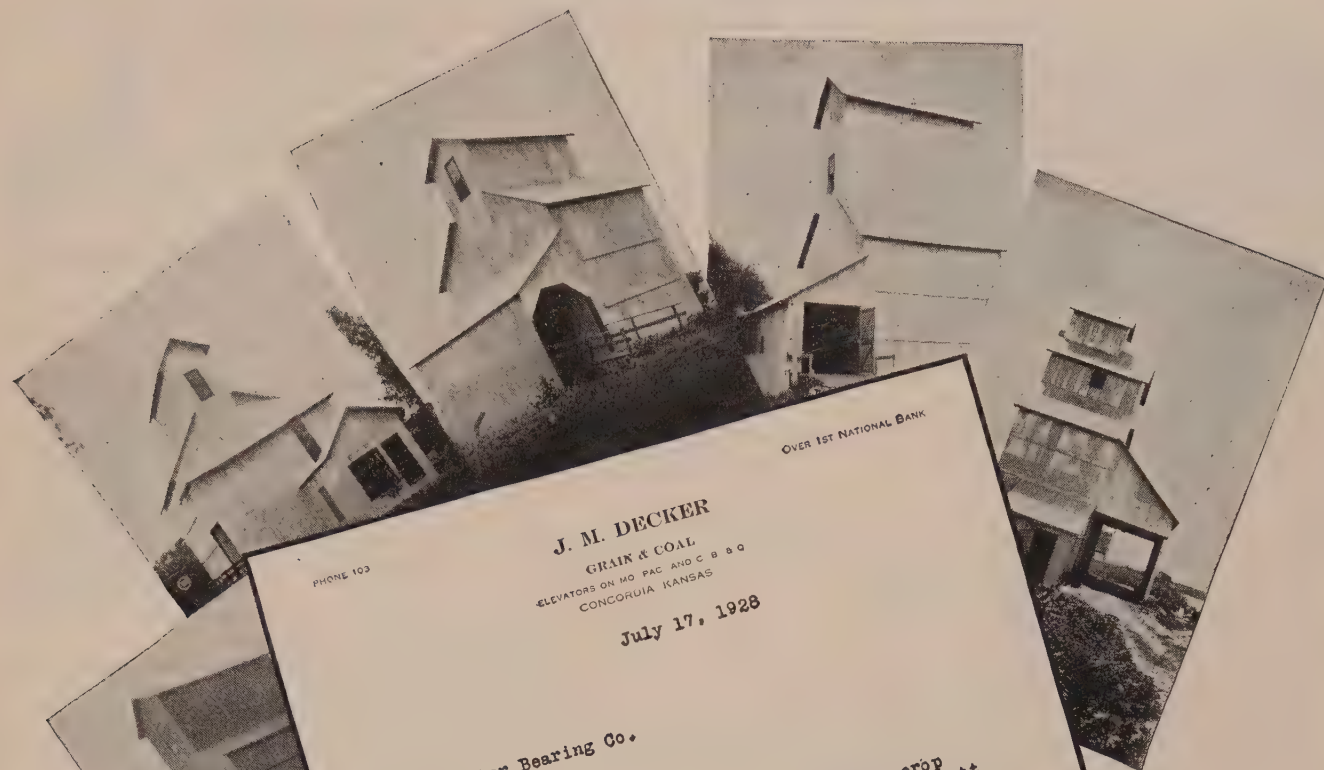
"When you put an Atlas under the wheel of a car there is never a question about moving it."

The most powerful car mover made.

True compound action, two-piece non-slip spurs set at the right angle to best grip the rail. Covered by an absolute guarantee.

APPLETON CAR MOVER COMPANY

Appleton, Wisconsin



PHONE 103

OVER 1ST NATIONAL BANK

J. M. DECKER
GRAIN & COAL
ELEVATORS ON MO. PAC. AND C. & N. W.
CONCORDIA, KANSAS

July 17, 1928

Hyatt Roller Bearing Co.
Chicago,
Ill.

Gentlemen:

When preparing my elevators for the coming crop last spring I had the entire line equipped with Hyatt Roller Bearings on the head and jack-shafts. Where I had line shafts operating other machinery these were also equipped.

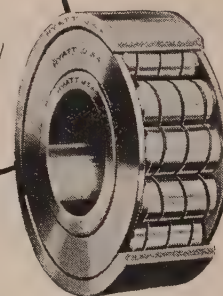
The elevators are located at Lenora, Scottsville, Palmer, Hollis and Day, Kan. In each case my agents report savings of 15% to 25% in power consumption, smoother operation and increased efficiency. Since it is not necessary to oil them so frequently they save quite a lot of time during the rush of the movement and continue to work efficiently when the rush of business might cause some neglect on the part of an operator in oiling plain bearings.

Thus they are a distinct advantage in cutting down the fire hazards with which elevators are fraught during rush movements. I am well satisfied with the Hyatt Bearings I have had installed.

Very truly,

J. M. Decker

JMD:EM



Power Savings..
Smoother Operation..
Increased Efficiency..
Decreased Fire Hazards

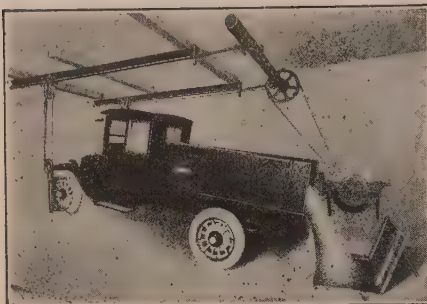
Grain Elevator owners, like Mr. Decker, no longer taking chances with inefficient plain bearings, are specifying Hyatt Roller Bearings throughout their plants.

Year after year . . . in every phase of grain elevator service . . . Hyatt-ized equipment is cutting overhead and eliminating delays . . . for the Hyattway is the Better Way.

HYATT
ROLLER BEARINGS

PRODUCT OF GENERAL MOTORS

HYATT ROLLER BEARING COMPANY, Newark Detroit Chicago Pittsburgh Oakland



The McMillin Wagon & Dump Truck
THE POWERFUL DUMP
SPEEDY — SUBSTANTIAL — DURABLE

Our quick, simple, safe and easily operated arrangement for attaching and detaching to the front wheels of a vehicle does away with the many objectionable features in truck dumps—as there is nothing lifted but the front end of the vehicle.

This lifting arrangement being connected to the overhead trolley is a simple way of hoisting at any point along the track, and causes this dump to be able to dump into one single dump door or any number of dump doors regardless of the length of the vehicle or the distance the dump doors are apart.

This dump is doubly strong for the heaviest loads, vehicles can be raised to any angle and stopped, or stopped at any point.

Standard sized dump doors are all that is required. All dumps equipped for hand and power operation. Two horse power motor or a 4" belt from other machinery is sufficient power.

L. J. McMILLIN

525 Board of Trade Building,
 Indianapolis, Ind.

*When In Minneapolis
 Stay At*

**The
 NEW NICOLLET
 HOTEL**

Opposite Tourist Bureau on
 Washington Avenue
 The Northwest's Finest Hotel.
 600 rooms with bath or
 connecting.
 Every room an outside room.
 Largest and Finest Ballroom
 in Northwest.

Rates:

59 Rooms at \$2.00	257 Rooms at \$2.50
68 Rooms at \$2.50	41 Rooms at \$4.00
84 Rooms at \$3.00	38 Rooms at \$5.00
Suites and Special Rooms at \$6.00 to \$9.00.	

**MAIN DINING ROOM
 COFFEE SHOP**

3 Blocks from both Depots, Re-
 tail Center and Wholesale Center.

Under Management
W. B. Clark

**10,000 SHIPPERS
 Are now using**

**TYDEN
 CAR SEALS**

Bearing shipper's
 name and consecu-
 tive numbers.

**Prevent
 CLAIM LOSSES**
 Write for samples
 and prices

INTERNATIONAL SEAL & LOCK CO.
 617 Railway Exchange Bldg., Chicago, Ill.



Cover's Dust Protector

Rubber Protector, \$2.00
 Sent postpaid on receipt
 of price; or on trial to re-
 sponsible parties. Has auto-
 matic valve and fine sponge.
H. S. COVER
 Box 404 South Bend, Ind.



Your Opportunity

is here. Now is the time to
 let the elevator man know
 you want his business. Ad-
 vertise in the

Grain Dealers Journal

**Receiving and Shipping Set of
 Grain Books**

Grain Scale Book Size of page, 10½x15¾ inches.
 This indexed receiving book is designed to meet the needs of dealers who want something better than the ordinary. Separate pages are given to each farmer and all are indexed so that their accounts may be instantly located. If so desired, it can be used as a grain journal, the two "L. F." columns providing for posting both debits and credits and entering the numbers of the ledger pages.

The book contains 253 numbered pages of high grade heavy linen ledger paper, each ruled for 41 wagon loads, thus having room for 10,332 loads, in addition to a 28-page index. Together with "Grain Shipping Ledger" it forms a complete set of books of high grade.

This book is bound in heavy red keratol back and corners with black cloth sides, and its name is stamped in gold leaf on the front cover. Order Form 23. Price, \$4.75. Weight, 6 lbs.

Grain Shipping Ledger. Size of page, 10½x15¾ inches.
 The Grain Shipping Ledger is the best shipping book money can buy, giving complete information regarding each shipment and the returns therefrom. Left hand pages show complete records of each shipment, while corresponding lines on right hand pages show details of the "Returns."

Each book contains 100 double pages of heavy linen ledger paper and a 16-page index, thus affording ample space for a large number of accounts. Each page is ruled for 50 entries, giving a total capacity of 5,000 cars to the book.

This double page form, combined with "Grain Scale Book" makes an excellent set of books for country dealers who want high grade material and workmanship as well as practical convenience. It is cloth bound with black keratol back and corners. "Grain Shipping Ledger" is stamped in gold leaf on front cover. Order Form 24. Price \$4.25. Weight, 5 lbs.

Grain Dealers Journal

309 So. La Salle St.

Chicago, Ill.

**Improved Duplicating
 Grain Tickets**

With the use of Form 19GT as a scale book much time and labor will be saved as one writing with the use of carbon will give you a complete record and a ticket for the hauler. Chance of error will be minimized as both the ticket and office record will be the same.

This book contains 250 leaves. Each of the 125 original leaves bears four scale tickets, is machine perforated, printed on white bond, size of tickets 3x6½ inches. The 125 duplicates are printed on manila but not perforated. Check bound at top of tickets with hinge top cover, 500 tickets in each book arranged horizontally. Size of book 7½x12 inches, each book supplied with 5 sheets of carbon.

The printing is crosswise ticket and has spaces for the following record: "Owner, Hauler, Grain, Grade and Dockage, Gross, Tare, Net, Total Dockage, Net Pounds, Bushels, Price and Amount, Storage Ticket No., Station Ticket No., and Date, Weigher, Name of Firm or Buyer."

Form 19GT Duplicating (250 pages) \$1.50

Form 19GT Triplicating (375 pages) 2.00

Grain Dealers Journal

309 So. La Salle St.

Chicago, Ill.

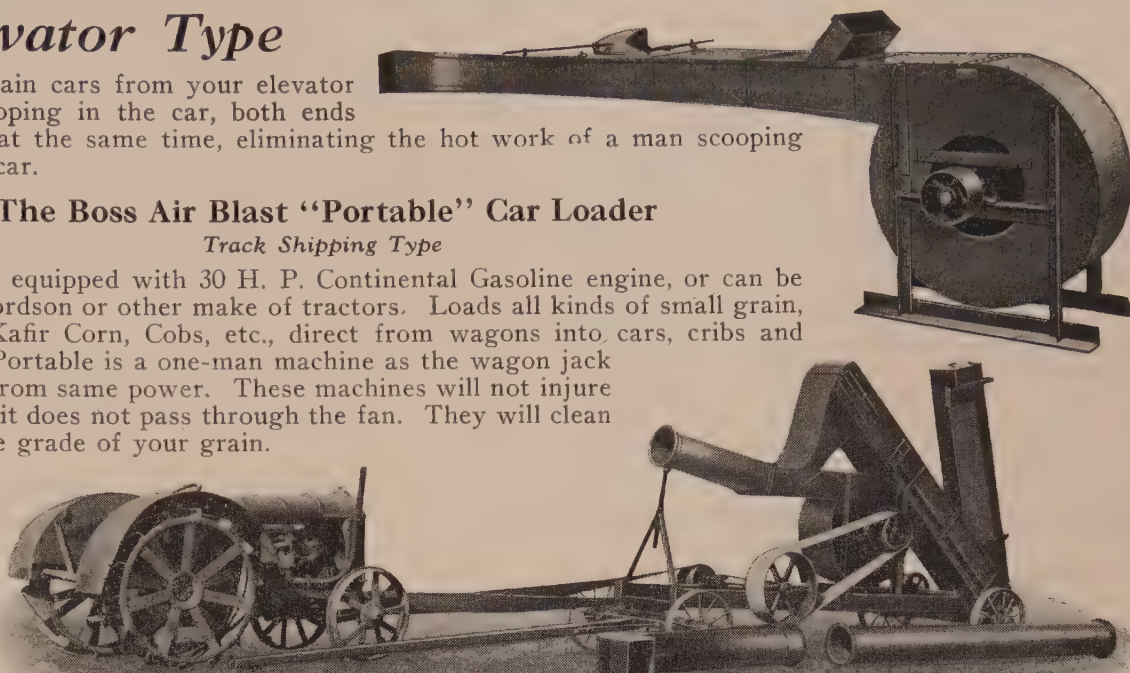
The Boss Air Blast Car Loaders *Elevator Type*

Will load grain cars from your elevator without scooping in the car, both ends being filled at the same time, eliminating the hot work of a man scooping back in the car.

The Boss Air Blast "Portable" Car Loader *Track Shipping Type*

This Loader equipped with 30 H. P. Continental Gasoline engine, or can be driven by Fordson or other make of tractors. Loads all kinds of small grain, Ear Corn, Kafir Corn, Cobs, etc., direct from wagons into cars, cribs and bins. This Portable is a one-man machine as the wagon jack is operated from same power. These machines will not injure the grain as it does not pass through the fan. They will clean and raise the grade of your grain.

Write for
Catalog F
and prices
and let us
show you
how these
machines will
make you
money.



Maroa Manufacturing Co.

- -

Maroa, Ill.

Christmas Greeting Cards

Keep up the Christmas Spirit with a message of cheerfulness, do it with holiday greeting cards.

—FREE—

A complete set of samples, Business or Personal greeting cards, or both, with price list, will be mailed promptly for your inspection.

We specialize in Engraved Business Announcements.

AMERICAN EMBOSSING COMPANY

193-195 SENECA STREET

BUFFALO, N. Y.

TRI-STATE MUTUAL GRAIN DEALERS FIRE INSURANCE CO. LIVERNE, MINN.

We write Fire and Tornado Insurance covering Grain Elevators and contents, also Dwellings and Mercantile property.
OVER HALF A MILLION DOLLARS RETURNED TO OUR POLICYHOLDERS IN 26 YEARS
ASK ABOUT OUR SAVING PLAN

E. A. Brown, Pres. W. Z. Sharp, Treasurer
W. J. Shanard, Vice-Pres. E. H. Moreland, Secretary



A Big Corn Crop

will mean great quantities of cobs to dispose of. A properly constructed cob burner is the best solution to this problem, an easy-to-clean cob house the next best, but the cobs should not be piled outside

on the ground.

We shall be glad to send drawings to anyone interested in cob burners or houses. Now is the time to provide such facilities.

GRAIN DEALERS NATIONAL MUTUAL FIRE INS. CO. INDIANAPOLIS, INDIANA

J. J. Fitzgerald
Secretary & Treasurer
Indianapolis, Ind.

C. R. McCotter
Asst. Secy. and Western Mgr.
Omaha, Neb.

Western Grain Dealers Mutual Fire Insurance Company

DES MOINES, IOWA

J. A. KING, President
A Legal Reserve Mutual Fire Insurance Company

Selection of Risks

is essential to the security of
an insurance company.

Selection of an Insurance Company

is just as essential to the
security of an assured.

*The "MILL MUTUALS" fulfill
the most rigid requirements.*

Write your insurance company
or this office for details.

Mutual Fire Prevention Bureau

230 East Ohio Street

Chicago, Illinois

GRAIN ELEVATOR BUILDERS

JAS. H. BROWN CO.

621 South 3rd Street
CONCRETE ELEVATORS

Minneapolis, Minn.
MILLS WAREHOUSES

L. J. McMILLIN

Engineer and Contractor of
GRAIN ELEVATORS

Any Size or Capacity
523 Board of Trade Bldg., Indianapolis, Ind.

GRAIN and COAL ELEVATORS

T. E. IBBERSON CO.

CONTRACTING ENGINEERS
MINNEAPOLIS, MINN.

Elevators, Mills, Warehouses

Designed, Built, Repaired

Estimates Cheerfully Furnished

HOGENSON CONSTRUCTION CO.
Corn Exchange Minneapolis, Minn.

The Star Engineering Company

Specialists in
Grain Elevator Construction

Our elevators stand every test
Appearance, Strength, Durability
and Economy of Operation

Estimates and information promptly furnished

Wichita, Kansas

CRAMER BUILT

elevators have won the confidence of discriminating grain dealers for long and economical service.

W. H. CRAMER
CONSTRUCTION CO.
North Platte, Nebr.

Plans and Specifications Furnished

ELEVATORS—FEED MILLS
WAREHOUSES

CHALMERS & BORTON

720 Pioneer Trust Bldg. KANSAS CITY, MO.

**This space
is yours**

If you are the first to apply for it.

Mentioning Grain Dealers Journal is the best introduction to our advertisers

GRAIN ELEVATOR BUILDERS

LARGE and Small!

The M. A. Long Company is invited to bid on the construction of grain elevators, *large and small*. They have built their reputation on infinite skill in designing and the art of sliding forms.

The B. A. Eckhart Milling Co., Chicago, and Mt. Joy Flour Mills, Pa., well known to the grain interests, are just two of the results of an "Invitation to Bid."

Write for our "Long List."

Yours on request.



The **M. A. LONG** Co.

Engineers and Constructors

Baltimore • Chicago • Washington

A. F. ROBERTS
ERECTS
FURNISHES
Elevators
Corn Mills
Warehouses
Plans
Estimates
Machinery
SABETHA, KANSAS

Weller Metal Pdts. Co.
Chicago Office
505 Webster Bldg.
Factory
Hammond, Ind.
SHEET METAL WORK
Grain Elevators a Specialty

E. H. CRAMER
Hampton, Nebraska
Designer and Builder of
Grain Elevators

L. D. Rosenbauer, Pres. L. W. Ledgerwood, Sec.
H. P. Roberts, V. Pres. A. E. Owens, Supt. Cons.
Southwestern Engineering
Company
Designers and Builders
Modern Mills, Elevators
and Industrial Plants
SPRINGFIELD, MO.

HICKOK Construction Co. **MINNEAPOLIS ELEVATORS**

BIRCHARD
Construction Co.
Architects and Contractors
Grain Elevators—Mills
B. SAMPSON Lincoln, Nebr.

Geo. W. Quick & Sons
Tiskilwa, - - - Illinois
Designers and Builders
Concrete Grain Elevators
Waterproof Pits a Specialty

DESIGNERS

of Grain Elevators, Flour Mills
*Feed Mills, Warehouses
and Industrial Buildings*

HORNER and WYATT

Board of Trade Bldg. Kansas City, Mo.

It Pays to Plan Before You Build



Use White Star Special Cups, made and shipped only from the White Star Factory. *Accept no substitutes.* These cups are hand riveted; they stand up and their capacity is guaranteed.

Our Special Boot is the only non-chokable ball-bearing boot on the market, to the best of our knowledge.

Younglove Construction Company

Grain Elevators, Transfer Houses,
Coal Pockets, Feed Plants
Wood or Fireproof Construction

*"If Better Elevators are Built
They will STILL be Youngloves"*

SPECIALIZING

Concrete Pits that ARE Waterproof

418 Iowa Bldg.,
Sioux City, Iowa

Box 1172
Fargo, N. Dak.

RELIANCE

Construction Co.

Board of Trade, Indianapolis

Designers and Constructors
of the better class of grain elevators
—concrete or wood



One of
Several Elevators
 Designed and Built by us Throughout Canada

The More Recent are

The Reliance Terminal Elevator	Port Arthur
The Jas. Richardson & Sons Elev.	Port Arthur
The Northwestern Elevator	Fort William
The Great Lakes Elevator	Owen Sound

**THE BARNETT-McQUEEN
 CONSTN. CO., LIMITED**

Designers and Builders of Grain Elevators

Fort William, Ont.

Duluth

Minneapolis, Minn.



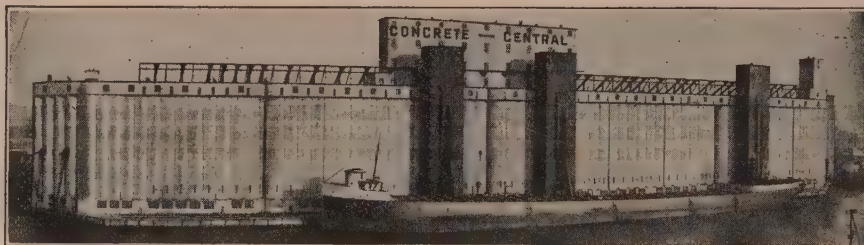
FOLWELL ENGINEERING CO.

Engineers and Constructors

333 North Michigan Avenue
 CHICAGO, ILLINOIS, U. S. A.

3,000,000 Bushel Concrete Grain Elevator
 Designed and Built for
 A. E. Staley Mfg. Co., Decatur, Ill.

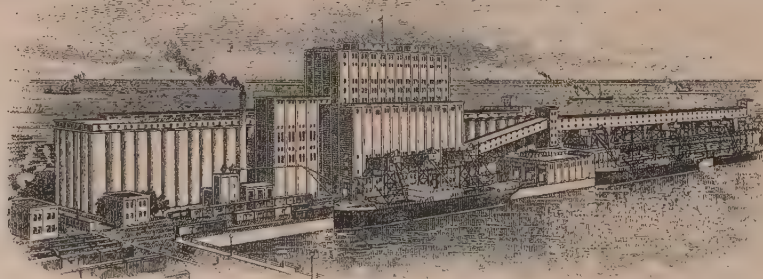
Operated by
 The Eastern Grain
 Mill and Elevator
 Corporation



Concrete-Central
 Elevator, Buffalo,
 N. Y.
 Capacity
 4,500,000 Bushels

Designed and Built by
Monarch Engineering Company
 Buffalo, N. Y.

Capacity
 5,000,000
 Bushels



Equipped with
 Four Stewart
 Link-Belt
 Grain Car
 Unloaders

PENNSYLVANIA RAILROAD ELEVATOR AT BALTIMORE

JAMES STEWART CORPORATION

ENGINEERS AND CONTRACTORS

W. R. SINKS,
 PRESIDENT

FISHER BUILDING—343 S. DEARBORN ST., CHICAGO, ILLINOIS

THOMAS D. BUDD,
 VICE PRESIDENT



Santa Fe Elevator "A"

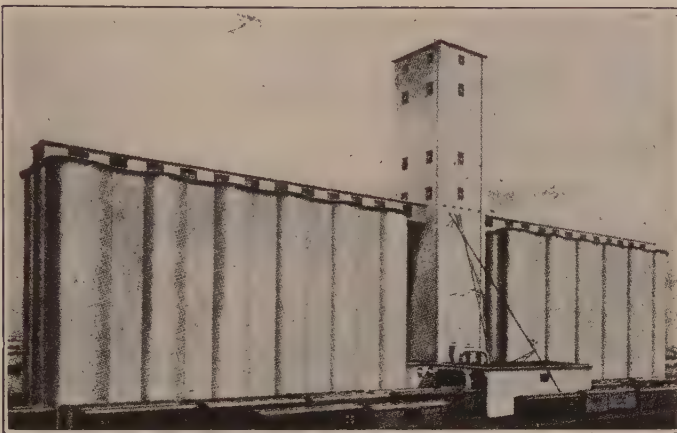
Kansas City, Kans.

Capacity
6,500,000 Bushels

John S. Metcalf Co.

Grain Elevator Engineers and Constructors

111 W. Jackson Blvd., Chicago 460 St. Helen Street, Montreal 837 W. Hastings St., Vancouver, B. C.
33 Henrietta Street, Strand, London, England



Enid Terminal Elevator Co.

Enid, Oklahoma

Capacity, 1,100,000 bushels

An exact duplicate of this elevator was
also designed and built by us for

Southwest Elevator Co., Enid, Okla.

Jones-Hettelsater Construction Co.

Grain Elevators—Flour and Feed Mills

708-9 Mutual Building

Kansas City, Mo.

FEGLS CONSTRUCTION CO., Ltd.

Engineers — Constructors

Fort William, Ont.

Minneapolis, Minn.



N. M. Paterson Co., Ltd.

2,500,000 Bu. Elevator

Fort William, Ont.

DESIGNED for the years
ahead—an advance we propose
to maintain.



DAY Dust Collectors

have been standard
equipment in better
grain elevators for
over forty years.

There's a Reason

The Day Company

Dust Collecting Engineers

1023-5 Lyndale Ave., N. Minneapolis, Minn.



Patented

Folwell-Sinks Form Lifting

Jacks and Steel Yokes

for Grain Elevator, Silo
and Coal Pit Construction

Manufactured and Sold by

NELSON MACHINE CO.

WAUKEGAN, ILL.

When You Ship Grain, Do YOU Bear the Losses for Leakage, Theft or Errors at Destination?

Many, many times a shipment is reported short for one of the above reasons, and the shipper must stand the loss.

But, with a Richardson Automatic Grain Shipping Scale you are protected against such losses, *because you then know YOUR weights are accurate and right!*

Install a Richardson now and enjoy the protection against shortages.

RICHARDSON SCALE COMPANY

CLIFTON, NEW JERSEY

Wichita

Boston

Minneapolis

Pittsburgh

New York

Los Angeles

Omaha

Gulfport

Chicago

Rid Your Elevator of RATS and MICE

These rodents do millions of dollars' damage in elevators to sack grain, seeds, feed, etc.

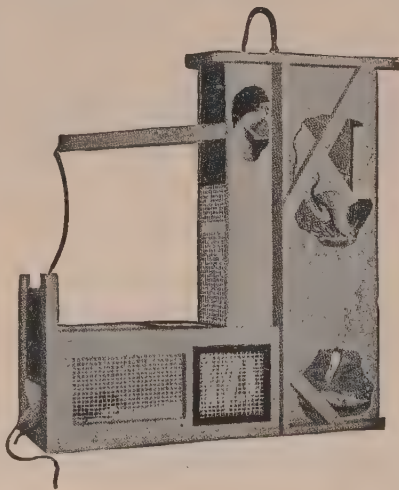
You can eliminate losses in your plant by using

"PEERLESS"
TRADE MARK REGISTRAR

Automatic Rat and Mouse Traps.

This Automatic Trap catches and kills by the wholesale. Each victim resets the trap for the next. Clean, sanitary and lasts for years.

It has made good under the most desperate conditions in thousands of elevators, seed houses, flour and feed mills. Endorsed by leading firms in all lines of business. Over 150,000 in use.



Each victim sets the trap for its followers

Write today for full information

A. O. Automatic Trap Co.

630 Jackson Boulevard

Chicago, Illinois

What's Wanted?

The quickest way to supply your needs is to tell your wants to a sympathetic audience.

The "Wanted and For Sale" pages of the GRAIN DEALERS JOURNAL affords the largest and best medium to make your wants known.

Read what satisfied customers say:

"It pays to advertise in the GRAIN DEALERS JOURNAL. We have had several desirable replies to our Help Wanted ad."—Bloomington Mills, Bloomington, Ill.

"You need not insert our ad. again as we have found a boiler."—Hoerner Elev. & Mills Co., Lawrenceville, Ills.

"We have secured all the help we need from our adv. in the JOURNAL. We have probably received 40 or 50 replies, and are much pleased with results."—Clovis Mill & Elev. Co., Clovis, N. M.

The charge for such announcements is small—only 25c per type line. Try them. Supply your needs quickly.

Grain Dealers Journal

309 So. La Salle St.

CHICAGO, ILLS.

WHAT PRICE WORRY

What is it worth to you to be relieved of the worry of guessing the condition of the grain stored in your bins? Let us tell you what it will cost to install

THE ZELENY SYSTEM,

Then you will know just what it costs you to worry each year.

Ask any of the users of the system, shown in our catalog No. 6, if they would operate an elevator or mill without

THE ZELENY SYSTEM

It frequently pays for itself in one season when grains contain high moisture content. Remember, it is a wonderful protection against LOSS as well as a very efficient watchman.

There is no expense connected with informing yourself as to costs, your inquiry is most cordially solicited.

ZELENY THERMOMETER CO.

542 S. Dearborn St.

Chicago, Illinois

HINCKLEY DRIVES

Have Elevated More Grain Than All Other Types Combined

This Tremendous Popularity Is Due to Four Reasons—

Practical Design
Highest Efficiency
Unexcelled Quality
Lowest Market Price

Exclusive Use of

Link-Belt Silent Chain

and

Hyatt Roller Bearings

Add Years of Service to the

Hinckley

Manufactured by

Link Belt Supply Co., Minneapolis
Minnesota

Use

Universal Grain Code

and reduce your telegraph tolls.

Prepared especially for the grain, millfeed and field seed trades.

All code words are arranged alphabetically; no ambiguities.

150 pages, size 4 $\frac{5}{8}$ x 7 $\frac{1}{8}$ inches. Special bond paper bound in flexible leather, \$3.00; Book paper in board covers, \$1.50, or in dozen lots to one address, cash with order, \$12.00. Address Grain Dealers Journal, 309 South La Salle Street, Chicago, Illinois.

Wanted and For Sale

The rate for advertisements in this department is 25 cents per type line each insertion

ELEVATORS FOR SALE.

IOWA—20,000 bushel elevator in good grain territory; well equipped; will stand investigation. Bargain if taken at once. Write Pomeroy State Bank, Pomeroy, Iowa.

KANSAS—12,000 bu. iron clad, all modern, fully equipped elevator in Edwards Co.; 75% of grain in farmers' hands; excellent territory. Some terms; this is a real bargain if taken at once. Ora E. Moore, Centerville, Kansas.

INDIANA—Farmers' elevator, ample storage, siding, good grinding trade, established coal business; a going concern; entire stock, accounts and two houses will go to best bid November 15, 1928. Byron Jones, Lebanon, Ind.

CENTRAL ILLINOIS—Modern 40,000 bu. capacity elevator and 25,000 bu. capacity crib and small grain combined. Also tenant house, office, scales, etc. On leased ground. Priced to sell. Possession at once. Write 5926, Grain Dealers Journal, Chicago, Ill.

WISCONSIN—Grain Elevator, Potato House, Hay House, Coal Bldgs. for sale; commanding a fine location on the C. & N. W. Ry. on direct route to Chicago. Surrounded by excellent farming community. Address 61S3, Grain Dealers Journal, Chicago, Ill.

KANSAS Elevator practically sold after three insertions. Here's what the advertiser writes: "We enclose check for three insertions of our ad. We have had more than a dozen inquiries from our ad and believe that we will be able to effect a sale." This proves conclusively the value of a Journal Want-Ad.

IOWA—25,000 bu. elevator and feed mill for sale; located in one of the largest feeding sections of Eastern Iowa; on main line of C & NW; equipped with a Sprout-Waldron 40 h.p. attrition mill, corn cracker and grader, feed mixer and cleaning mill; all in first-class condition; 300 ft. of trackage and ample storage room. Priced right. Address 61V6, Grain Dealers Journal, Chicago, Ill.

CENTRAL ILLINOIS—50,000 bu. grain elevator, electrically equipped, sheller, cleaner, loader; fine location in center of corn belt on two main railroads; well equipped office, mill feed house, eight coal bins and good coal business; eight room residence included; in good small town, fine schools and churches; immediate possession; selling account of poor health. Pay you to investigate if you want a first-class grain business exceptionally well located. Also small elevator for sale at a bargain. Address 61U1, Grain Dealers Journal, Chicago.

INDIANA—12,000 bu. steel sided frame elevator building in college town of 5000; excellent farming community, hogs, cattle, sheep, dairy, and poultry; on C.C.C. & St. L., can ship over Monon; electrically equipped, hammer mill and 15 ton truck scales; side lines—feed, fencing and implements; good location for coal yards. Reason for selling, other business; this elevator only changed hands three times in 25 years. A real money maker for a hustler; will stand investigation. Price \$8000, merchandise at market price. Call or write Harry Tolbert, Greencastle, Ind.

BARGAIN IF TAKEN AT ONCE—Some one is always looking for an elevator at a good grain point and reads these ads just like you're doing now, so if you wish to dispose of your present property, enlarge your present interests, or embark in the grain business, USE these columns to your best advantage just as others are doing. WE WILL assist you in the composition of copy free. We are in business to be of service to YOU. There is no wrong time to put an ad in the columns of the Journal. TRY IT.

ELEVATORS FOR SALE.

INDIANA—To close an estate, will sell one of the best equipped lumber and coal yards in Indiana, no better territory in the state. Write 61V11, Grain Dealers Journal, Chicago.

EASTERN ILLINOIS—2-60,000 bu. elevators in same town for sale; coal, feeds, seeds, sidelines; no competition; good grain territory; price right if sold promptly; have other business. 61T6, Grain Dealers Journal, Chicago.

FOR SALE—50,000 bu. steel elevator with Fairbanks wagon and truck scale and dump, hopper scales, Barnard and Leas grain cleaner, corn sheller, feed grinder, flour and feed warehouse. Good grain, dairy and poultry district. Address P. O. Box 164, Sarcoxie, Mo.

FOR SALE—Elevator and storage for 12,000 bu. grain; hay barn, capacity 125 tons; flour house, capacity three cars; coal house, capacity 100 tons; and small modern residence on premises. Liberal terms will be given purchaser. Address P. O. Box 128, Haskell, Okla.

INDIANA ELEVATORS FOR SALE.

Owing to the sickness of Mr. Stiefel, we are liquidating our business and are offering our New Haven, Dawkins, Maples, Ossian and Eaton elevators for sale. For all information write.

Stiefel & Levy, Fort Wayne, Ind.

SOMEBODY'S always hunting an elevator, and there is no wrong time of the year to put an ad in the "Elevator For Sale" columns of the Journal.

ELEVATOR FOR SALE OR TRADE.

IOWA—16,000 bushel iron clad grain elevator with feed and coal as sidelines; big corn crop to handle. Address 61V19, Grain Dealers Journal, Chicago, Ill.

KANSAS—8,000 bu. elevator equipped with machinery to manufacture all kinds of poultry, dairy, horse and hog feeds; in Bourbon Co., best farming and dairy district in Kansas. Will sell or trade for good farm in E. Kans. or W. Mo. Harned Grain Co., Fulton, Kansas.

WANT ADS WORK WONDERS.

They sell elevators, find help and partners, secure machines and engines which you want, sell those for which you have no further use, and perform a myriad of kindred services for shrewd people who use them regularly. READ and USE THEM.

FOR LEASE.

OUR GRAIN AND COAL business, custom grinding and general milling; best equipment; located in fast growing city of 30,000 in corn belt; will lease for cash rental or on percentage basis. This is a real business and bears investigation. Write 61V13, Grain Dealers Journal, Chicago, Ill.

IF YOU DO NOT find the elevator you want advertised, place your wants in the "Elevators Wanted" section and you will receive full particulars regarding many desirable properties not yet advertised.

ELEVATOR BROKERS.

ALWAYS HAVE ELEVATORS for sale. To save time, please state amount you wish to invest and location you prefer. James M. Maguire, 6440 Minerva Ave., Chicago, Ill.

THE WANTED-FOR SALE DEPARTMENT of the Grain Dealers Journal is a market place where buyer and seller, employer and employee, and those offering investments can meet to their mutual advantage and profit and it will pay every subscriber to give these columns a close study twice each month, because of the constantly changing variety of opportunities seeking your consideration.

ELEVATORS WANTED

WANT TO EXCHANGE improved 320 acres 4 miles from Alton, Kansas, for grain elevator in North Central Kans. Box 13, Mahaska, Kans.

ELEVATOR WANTED with good coal, seed, feed, and other sidelines; Northern Indiana, prefer town of two to five thousand population. Address Box 952, Nappanee, Ind.

CHOOSE YOUR ELEVATOR from the many offered. Insert an advertisement in the "Elevators Wanted" column of the Grain Dealers Journal, and select one at a satisfactory price and station.

MILLS AND ELEVATORS FOR SALE.

FOR SALE

Mill and elevator doing good business. If interested in the grain, coal and feed business in a good town and a business that will satisfy, write for full particulars. Singley Brothers, Wellington, Texas.

ALMOST ANYTHING YOU WANT can be promptly obtained through JOURNAL want ads.

BUSINESS OPPORTUNITIES FOR SALE.

ILLINOIS—Grist mill, feed and coal business for sale; new electric machinery. Write 61S10, Grain Dealers Journal, Chicago.

FEED AND STOCK YARDS, Northern Illinois town on Great Western R. R.; 30,000 bu. elevator, 90 acres, good buildings and well equipped. Clear \$20,000 yr.; retiring; \$25,000 down, terms. Mielke Bros., Danville, Ill.

FOR SALE—Three LUMBER YARDS, two located Eastern Kansas and Western Missouri, both with small GRAIN ELEVATOR in connection; one yard only, located Southeastern Iowa, population from 200 to 300; hardware and coal, Eastern Kansas point; good small yards located excellent farming territory; Missouri and Kansas yards fifty miles south of Kansas City. Each investment runs from \$13,000 to \$21,000. Improvements good repair; no dead stock. Good reasons for selling. Don't write if not interested in small town location. No trades. 61U11, Grain Dealers Journal, Chicago.

WHATEVER your business may be, it will find a ready market if advertised in the "Business Opportunities" column of the Grain Dealers Journal, Chicago, Ill. 6,300 grain men look to these columns twice a month for real opportunities.

ADDRESS WANTED.

ANYONE KNOWING the whereabouts of H. E. Larson, formerly of Spearman, Texas, and Marshall, Minn., please communicate with 61V1, Grain Dealers Journal, Chicago, Ill.

SAMPLE ENVELOPES

SAMPLE ENVELOPES—SPEAR SAFETY—for mailing samples of grain, feed and seed. Made of heavy kraft paper, strong and durable, size 4½x7 inches. Have a limited supply to sell at \$2.60 per hundred or in lots of 500, \$2.30 per hundred f. o. b. Chicago. Sample mailed on request. Grain Dealers Journal, 309 S. LaSalle St., Chicago, Ill.

PARTNER WANTED.

YOU CAN SECURE a partner if you make your wants known to the grain trade through the Partners Wanted column of the Grain Dealers Journal.

SITUATION WANTED.

SITUATION WANTED by experienced elevator manager, 28 years old; 7 years' experience as manager; prefer Farmers' Co-op. Write 61S7, Grain Dealers Journal, Chicago.

WANTED—Position in the grain business; have had 21 years' experience in office and elevator work in Ohio territory. Address 61T13, Grain Dealers Journal, Chicago, Ill.

WANTED—Position as manager of grain elevator; have had 10 years' experience; if business is satisfactory, will buy an interest. 61V15, Grain Dealers Journal, Chicago, Ill.

RESULT PRODUCING Farmers Elevator manager with 16 years' successful record desires position with good company. Good grain man and accountant; experienced in all side lines; good mixer with public; Illinois or Indiana preferred. Address 61N11, Grain Dealers Journal, Chicago, Ill.

POSITION WANTED—Private telegraph wire houses, telegraph correspondents, grain merchandising houses, track buyers may be interested in this man; experience covers manager commission house offices, broker telegrapher, some railroad and newspaper experience; dependable, reliable, well educated, well grounded in general business knowledge; desires return to grain business; lives in Illinois. Address 61V16, Grain Dealers Journal, Chicago, Ill.

HELP WANTED.

COMPETENT AND EXPERIENCED elevator managers, foremen, bookkeepers, auditors, second men and solicitors can easily and quickly be found through an ad in the "Help Wanted" columns of the Grain Dealers Journal, Chicago, Ill.

SCALES FOR SALE.

FOR SALE—300 lb. or six bu. automatic Richardson Scale; used only nine months. Memphis Cottonseed Products Co., Memphis, Tenn.

FOR SALE—Five ton Buffalo platform wagon scales in good condition, \$50. Write Syler & Syler, Nappanee, Ind.

FOR SALE—10 ton Fairbanks truck scale in good condition. Write Farmers Co-operative Co., Cumberland, Iowa.

RICHARDSON Automatic Scales, 4 to 8 bu. capacity, for sale; fine condition. Also R. R. track scales. Address Standard Mill Supply Co., 501 Waldheim Bldg., Kansas City, Mo.

FOR SALE—Four bushel Richardson automatic scales, 1000 bushel hourly capacity, complete with fractional draft weigher; new, never uncrated. Price \$500, f. o. b., Interlaken, N. Y. Address D. H. Rightmyer, Waterloo, N. Y.

SECOND HAND SCALES for sale of any make, size or price, always find ready buyers when represented in the "Scales For Sale" columns of the Grain Dealers Journal.

SCALES WANTED.

RICHARDSON AUTOMATIC SCALES bought and sold. Address 61S14, Grain Dealers Journal, Chicago, Ill.

WANTED—Richardson Automatic grain and bag portable scales. State capacity, how long used and lowest price. Morse Engineering Co., 502 Waldheim Bldg., Kansas City, Mo.

INFORMATION BURO.

READERS DESIRING to learn by whom or where any grain handling machine or device is made can generally obtain it promptly by addressing Information Buro, Grain Dealers Journal, Chicago, Ill.

SEEDS FOR SALE

MEDIUM RED CLOVER—Limited surplus, home grown, unusually high in purity and very showy quality. Samples and prices for the asking. M. Young & Co., Winterset, Iowa.

WHEAT WANTED

WANTED—Connections with Kansas and Nebraska line elevator companies who can ship me all grades of country run hard wheat direct from their country elevators to the East and Southeast. Wire or write Wade H. Cook, Circleville, Ohio.

MOTORS FOR SALE.

FOR SALE—15 hp., 1750 r.p.m., single phase, 60 cycle, 110-220 volt Century Motor. Write E. V. Plush, Glasco, Kansas.

FOR SALE—One 20 hp. Fairbanks-Morse motor, 25 cycle, 3 phase, 220 volt, 710 r.p.m., 22" pulley complete with starter, used only six months; motor used longer. Price \$140. La Harpe Feed Store, La Harpe, Ill.

3 PHASE, 220/440 V. MOTORS

1—50 hp., 1800 rpm., 60 cy., General Electric.
1—35 hp., 1800 rpm., 60 cy., General Electric.
1—30 hp., 1800 rpm., 60 cy., General Electric.
1—30 hp., 1800 rpm., 60 cy., Lincoln (new).
1—30 hp., 1500 rpm., 25 cy., Lincoln (new).
3—25 hp., 1800 rpm., 60 cy., General Electric.
1—25 hp., 1800 rpm., 60 cy., Fairbanks-Morse.
Many others up to 200 hp. All speeds, A. C. and D. C. Special low prices.

V. M. NUSSBAUM & CO., Fort Wayne, Ind.

ENGINES FOR SALE

THE DUNLAP FORDPOWER, an all steel frame, pulley and governor assembly for the purpose of mounting the Ford motor for belt work. Popular among grain elevators requiring up to 15 hp. Write for particulars. DUNLAP FORDPOWER CO., 133 N. St. Francis, Wichita, Kans.

GAS AND DIESEL ENGINES

Both new and honestly rebuilt engines that are guaranteed good as new. Fairbanks-Morse in all sizes, belted and direct connected. All best makes of gas engines. Let us have your requirements and we can save you money on new and rebuilt equipment. Write for our rental contract with option to buy. We erect complete plants everywhere.

AMERICAN POWER EQUIPMENT CO.
1530 Allen Ave., S. E. Canton, Ohio.

OIL ENGINES

25, 50, 75, 80, 120, 180 hp. and up, immediate shipment, all makes. We buy. Bulletin 368 features 20 pages Bargains in Rails, Equipment, Machinery, Steel, etc. ZELNICKER in St. Louis.

HAY FOR SALE—WANTED

GET FULL MARKET value for your hay and straw. Ship to John Devlin Hay Co., Inc., 192 N. Clark St., Chicago, Ill.
ALFALFA HAY for sale. Write for delivered prices.

MISCELLANEOUS.

GRAIN SAMPLE CANS.

Black enamelled containers, galvanized iron bodies, double-seal air-tight lids, for receiving samples drawn from wagon loads at country elevators; large handles equipped to hold name card of customer. Prevents mixed samples; pleases farmer trade. Set of four, \$2.85 postpaid. Red Boy Products, Colfax, Ill.

Bargain Sale in Soiled and Shelf Worn Books.

Weighing grain in car lots without hopper or platform scales by Fred P. Miller. One slightly damaged copy at half price, 75c. Order "Miller Special."

One Record of Cars Shipped for a record of carloads in the order shipped from one or many stations; copy soiled, used as printer's sample. Order No. 385 "Special." Price \$2.00 and postage, weight 2½ lbs.

Two Railroad Claim Books for overcharge in freight or weight. Each book contains 100 original and 100 duplicate blanks with two-page index and four sheets of carbon; slightly soiled. Very special at \$1.25 and postage. Order "Special 411-E."

ONE CLARK'S DOUBLE INDEXED CAR REGISTER for track buyers and terminal and primary market receivers gives ready reference to the record of any car. One soiled copy (used as printer's sample) containing space for 21,600 cars, \$1.75 and postage. Order Form 42.

Gold Bricks of Speculation, a study of speculation and its counterfeits and an expose of the methods of bucketshop and "Get-Rich-Quick" swindles. We have a few of these interesting books soiled from display, written by John Hill, Jr., of the Chicago Board of Trade, which we will send on receipt of \$1.00 each and postage to carry. Weight 4 lbs. Order "Gold Bricks of Speculation Special."

PLANS OF GRAIN ELEVATORS, Fourth Edition, is by far the most extensive and complete work of this character published. It is not designed to take the place of an architect but to assist the prospective builder in formulating a clearer idea of the plant best suited to the needs of his business. It contains nearly 500 half-tone engravings reproduced from photographs of grain elevators and over 1100 line cuts made from plans of modern elevators. Two soiled copies, salesman's samples, weighing 4 lbs. 8 ozs. each. Price \$2.00 and postage.

All prices are f. o. b. Chicago.

GRAIN DEALERS JOURNAL,
309 So. LaSalle St., Chicago, Ill.

KEEP POSTED

GRAIN DEALERS JOURNAL

309 So. La Salle St., Chicago, Ill.

Gentlemen:—In order to keep us posted regarding what is going on in the grain trade outside our office, please send us the *Grain Dealers Journal* on the 10th and 25th of each month. Enclosed find Two Dollars for one year.

Name of Firm

Capacity of Elevator Post Office

State

MACHINES FOR SALE.

FOR SALE.

15"x30" Allis-Chalmers Flaking and Crimping Rolls, late style "QA"; in good condition. Write or wire Standard Mill Supply Company, 502 Waldheim Bldg., Kansas City, Mo.

FOR SALE—One Williams Hammer Mill complete with fan and packer, grinds any kind of hay or grain, cap. three tons per hour, in good condition; one 22 h. p. Witte engine for gas or kerosene. Harned Grain Co., Fulton, Kan.

FOR QUICK SALE.

Motor and belt driven single and double head attrition mills, slightly used, fully guaranteed. Wire, phone or write for extremely attractive prices. **DIAMOND HULLER CO.**, Winona, Minn.

FOR SALE—No. 3 Humdinger Hammer Mill with 30 h. p. Fairbanks-Morse 3 phase, 60 cycle, 220 volt motor and Tex Drive, all in good condition, out only two years; our business has outgrown this mill. Write Farmers Grain & Coal Co., Mitchell, S. Dak.

MACHINERY BARGAINS

Hughes Slow Speed Hammer Mill (new); 24-in. Monarch Attrition Mill; 18-in. Monarch Mill; 24-in. Dreadnaught Attrition Mill; one small Gruender Mill; one buckwheat shucker; one Gedge-Grey 1000 lb. Batch Mixer; 1000 lb. Hughes Vertical Batch Mixer (new); one American Bag Cleaner; exact weight scale, one ounce to 50 lbs.; platform, hopper and floor scales; 100 lb. automatic scale; roll corn crackers; 10-in. magnets (new); one new ball bearing corn cracker and grader; grain cleaners and separators; large and small elevators; pulleys, hangers and shafting. **A. D. Hughes Co.**, Wayland, Michigan.

Statement of the Ownership, Management, Circulation, Etc., Required by the Act of Congress of August 24, 1912.

of Grain Dealers Journal, published semi-monthly at Chicago, Ill., for October 1, 1928.

State of Illinois, County of Cook, ss.—Before me, a notary public in and for the state and county aforesaid, personally appeared Charles S. Clark, who having been duly sworn according to law, deposes and says that he is the business manager of the Grain Dealers Journal, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 443, Postal Laws and Regulations, printed on the reverse of this form, to-wit:

1. That the names and addresses of the publisher, editor, managing editor, and business manager are:

Publisher, Grain Dealers Journal, Inc., Chicago, Ill.
Editor, R. R. Rossing, Chicago, Ill.
Managing Editor, Charles S. Clark.
Business Manager, Charles S. Clark, Chicago, Ill.

2. That the owners are: (Give names and addresses of individual owners, or, if a corporation, give its name and the names and addresses of stockholders owning or holding 1 per cent or more of the total amount of stock.):

Charles S. Clark, 309 So. La Salle St., Chicago.

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.)—None.

4. That the two paragraphs next above giving the names of the owners, stockholders and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company, but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name or the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing a true and correct knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

5. That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the six months preceding the date shown above is (This information is required from daily publications only.)

CHARLES S. CLARK,
Business Manager.

Sworn to and subscribed before me this 2d day of October, 1928.

(Seal)

JOHN A. AITKINS,
Notary Public.
(My commission expires November 28, 1928.)

MACHINES FOR SALE.

FOR SALE—One No. 2 Robinson Ear Corn Crusher, in good condition and running order. Write Charles Grimm, Sherburn, Minn.

FOR SALE—One 20 hp. motor, used only one year, cost \$400.00; also roller feed grinding mill; will sell motor and mill for \$500.00. Cayuga Farmers Elevator Co., Cayuga, N. Dak.

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Latest type, very best on the market, from 400 to 4,000 pounds capacity. Prices reasonable, let us have your inquiries for prompt shipment. Standard Mill Supply Company, 502 Waldheim Bldg., Kansas City, Mo.

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Prompt Attention. Quick Shipments.

When in need of elevator or mill machinery, notify us. We are headquarters for power and transmission equipment, and have on hand several well-known makes of motors, boilers, engines, etc.

Send us list of all your wants. We can supply you with full line of machinery for elevators, flour, corn and cereal mills. Complete equipment for modern mills of all kinds, molasses, stock and poultry feed plants, plans specifications, flow sheets, etc., our specialty. Write us without delay.

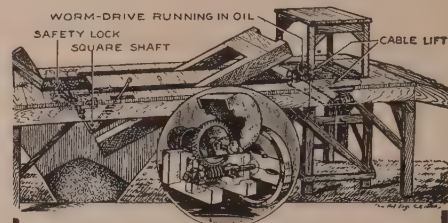
SPROUT, WALDRON & CO.,
9 S. Clinton St., Chicago, Ill.

MACHINES WANTED.

WANTED

Used feed grinder with motor; give all particulars and price in first letter. Write Rosebud Grain Company, Winner, South Dakota.

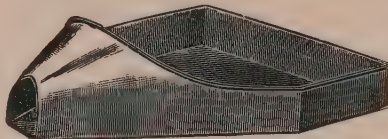
WANTED—One used Model No. 10 Clipper Cleaner manufactured by A. T. Ferrell & Co.; must be in good condition and cheap. Send full description and price in first letter. Pollock Grain Co., Middle Point, Ohio.



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Cedar Rapids, Iowa
Originators of the Electric Truck Dump

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Duplicating Wagon Load Receiving Book

Hauler	Gross	Tare	Net	

This book is designed to facilitate the work of country buyers during the busy season when each farmer is hauling a number of loads at a time. The above illustration shows the left hand side of the sheet which remains in the book. The outer half has the same rulings, but is printed on the other side of the sheet, so that when sheet is folded back on itself, and a sheet of carbon is inserted, an exact duplicate will be made of each entry. Each page has room for 33 loads and is machine perforated down the middle so outer half may be torn out and given to the farmer or sent to headquarters of line company.

The book is 12x12 inches, check bound with canvas back, contains 225 leaves ruled both sides, and nine sheets of carbon.

Order Form 66. Price \$3.00. Weight 4 lbs.

Grain Dealers Journal

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Chicago, Ill.

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"QUALITY BRAND"
Hardy Wisconsin Grown Clovers
FIELD SEEDS -- SEED CORN
Write for Samples and Freight Paid Prices

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The Grain Dealers Journal is a first-
class publication.—Albert W. Orr, Kansas
City, Mo.

Grain Receiving Record Books

Grain Receiving Register. One of the best forms for recording wagon loads of grain received. It contains 200 pages, size 8½x13 inches, ledger paper, capacity for 8,200 wagon loads. Bound in canvas. Some enter load records as received, others assign a page to each customer, while others assign pages to different kinds of grain. Bound in strong board covers, canvas back. Headings of 11 cols. are: "Date, Name, Kind of Grain, Gross, Tare, Net, Bushels, Pounds, Price, Amount, Remarks." Shipping weight, 2¼ lbs. Order Form 12AA. Price \$3.00.

Wagon Loads Received has columns headed: "Month, Day, Name, Kind, Gross and Tare, Net Pounds, Bushels, Pounds, Price, Dollars and Cents, Remarks." It has 200 pages, size 9¼x12 inches, and room for 4,000 loads. Printed on linen ledger paper, with strong cloth covers and keratol corners and back. Shipping weight, 2 lbs. Order Form 380. Price \$3.00.

Receiving and Stock Book. Many dealers prefer to keep each kind of grain received from farmers in separate columns so each day's receipts may be easily totaled. This book is designed for this purpose. It contains 200 pages, size 9½x12 inches, and will accommodate 4,000 loads. Well bound in black cloth and keratol back and corners. Shipping weight, 2¼ lbs. Order Form 321. Price \$3.00.

➤ **Grain Receiving Ledger** is an indexed book especially adapted for keeping individual accounts with farmer patrons. Each page is 8½x13 inches, numbered and ruled for 44 entries. Ledger paper and well bound in cloth with keratol back and corners. 228 pages. Shipping weight, 3 lbs. Order Form 43. Price, \$3.50.

Form No. 43 XX contains double the number of pages. Shipping weight 4½ lbs. Price, \$5.50.

Grain Scale Book is designed to assign separate pages to each customer and their names can be indexed so their accounts can be quickly located. It contains 252 numbered pages, of high grade linen ledger paper. Each page is 10½x15 inches, will accommodate 41 wagon loads and it has a 28-page index. Well bound with cloth and keratol back and corners. Shipping weight, 4½ lbs. Order Form 23. Price, \$4.75.

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Grain Shipping Record Books

Record of Cars Shipped. This form enables country shippers to keep a complete record of each car of grain shipped from any station, or to any firm. It has the following column headings: Date Sold, Date Shipped, Car Number, Initials, To Whom Sold, Destination, Grain, Grade Sold, Their Inspection, Discount, Amount Freight, Our Weight Bushels, Destination Bushels, Over, Short, Price, Amount Freight, Other Charges, Remarks. The book contains 80 double pages of ledger paper, size 9½x12 inches, and has spaces for recording 2,320 carloads. Well bound in heavy cloth with keratol back and corners. Shipping weight, 2½ lbs. Order Form No. 385. Price \$3.00.

Sales, Shipments and Returns. Is designed to save time and prevent errors. The pages are used double. The left hand pages are ruled for information regarding "Sales" and "Shipments"; the right hand for "Returns". The column headings enable you to make complete records for each transaction. The book contains 80 double pages, and index of ledger paper, size 10¾x16 inches, will accommodate records for 2,200 cars. Bound in heavy canvas with keratol corners. Shipping weight, 3½ lbs. Order Form 14AA. Price \$3.75.

Grain Shipping Ledger for keeping a complete record of the shipments of 5,000 cars. Facing pages are given to each firm to whom you ship and page is indexed. This book contains 80 double pages of ledger paper with 16-page index, size, 10½x15½ inches, well bound with cloth covers and keratol back and corners. Shipping weight, 4 lbs. Order Form No. 24. Price, \$4.25.

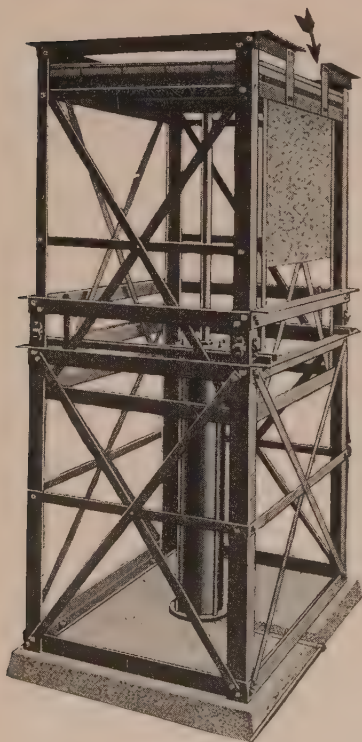
Shippers Record Book. This book is designed to save labor in handling grain shipping accounts and gives a complete record of each car shipped. Its 80 double pages of ledger paper, size 9¼x12 inches, provide spaces for 2,320 carloads. Wide columns provide for the complete record of all important facts of such transactions under their respective heads. Bound in heavy cloth with keratol back and corners. Shipping weight, 2½ lbs. Order Form 20. Price \$3.00.

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Will you get your share of the heavy fall business?

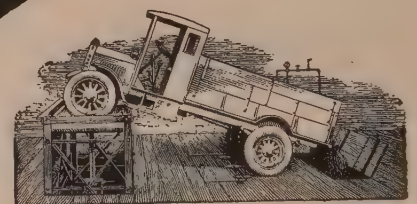
Is your elevator equipped to give the farmer the quick, safe truck-dumping service he wants? Next to the price you pay for grain, a Kewanee **is the best business getter you can have.** No farmer wants to waste time while an elevator is dumping his load in the old-fashioned way. And he won't take chances with his truck on some rickety contraption. With a Kewanee you can dump several loads in less time than it takes to dump one in the old way.

There's still time to install a *Kewanee* All Steel TRUCK LIFT



IMPROVED AGAIN

To take care of trucks with longer wheelbases and longer bodies, the lifting cylinder and steel frames have been lengthened to give an elevation of 58 inches. Also, the safety guard has been redesigned, to permit handling newer trucks with lower centers of gravity and low-hanging cranks.



Quick Delivery of Kewanee Lifts can be made from Kewanee, Kansas City or Omaha. And they are easily and quickly installed—in a day or two by any mechanic and a common helper. Don't let the season pass without a Kewanee. You can install one any time before zero weather sets in.

Once installed you have a **permanent improvement**—a lift that with usual usage will last as long as your elevator. Yet it is a fact, learned from hundreds of installations, that the total cost of a Kewanee (on the job, installed and working) is never more but usually less than for any other reliable device.

KEWANEE IMPLEMENT CO.,
1441 Burlington Ave., Kewanee, Ill.

Rush to me complete information regarding Kewanee All Steel Truck Lifts.

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GRAIN DEALERS JOURNAL

309 South La Salle Street, Chicago, Ill., U. S. A.
Charles S. Clark, Manager

Published on the 10th and 25th of each month in the interests of better business methods for progressive wholesale dealers in grain and field seeds. It is the champion of improved mechanical equipment for facilitating and expediting the handling, grinding and improvement of grain, feeds and seeds.

SUBSCRIPTION RATES to United States, semi-monthly, one year, cash with order, \$2.00; single copy, 20c.

To Foreign Countries within the Postal Union, prepaid, one year, \$3.00; to Canada and Mexico, prepaid, \$2.50.

THE ADVERTISING value of the Grain Dealers Journal as a medium for reaching progressive grain dealers and elevator operators is unquestioned. The character and number of advertisements in each number tell of its worth. If you would be classed with the leading firms catering to the wholesale grain trade, place your announcements in the Journal.

Advertisements of meritorious grain elevator machinery and supplies and of responsible firms who seek to serve grain dealers are solicited. We will not knowingly permit our pages to be used by irresponsible firms for advertising a fake or a swindle.

LETTERS on subjects of interest to those engaged in the grain trade, news items, reports on crops, grain movement, new grain firms, new grain elevators, contemplated improvements, grain receipts, shipments, and cars leaking grain in transit, are always welcome. Let us hear from you.

QUERIES for grain trade information not found in the Journal are invited. Address "Asked-Answered" department. The service is free.

CHICAGO, OCTOBER 25, 1928

LIMITING the number of cars a locomotive engine may haul is a poor way for a labor union to help the railroad company to pay them higher wages.

OUR reports on the Buckwheat crop are the best we have received in several years and should give much encouragement to the buckwheat millers.

WHEN the politicians stop prescribing new remedies for the imaginary troubles of the farmer, he will have the greatest relief he can ever expect at their hands.

WHY should a government Indian agency operate a flour mill in North Dakota in competition with millers, when it is not deemed necessary to operate a shoe or clothing factory?

IT IS pretty hard for the farmer who has signed a 5-year contract to tell whether he has been pooled or fooled. After five years have gone by he will know he was both.

COUNTRY shippers who grade their purchases of new grain as carefully as it will be graded in the terminal market will not strain their eyes next June when searching for their profit from handling the crop. Grain well bot is always half sold.

GUARDS for moving belts and pulleys may not seem so necessary in the eyes of a man constantly employed in the elevator and familiar with the hazard; but the occasional visitor whether authorized or unauthorized should be safeguarded against injury.

FUTURE trading has encountered so much prejudice in the Southern States it is gratifying to have the Court of Appeals of Kentucky, in a decision published elsewhere, sustain the validity of a contract made on the exchange, altho the welsher put up the gambling defense.

ANTIFRICTION bearings have proved so satisfactory to Kansas elevator operators who have tried these time, labor, power and oil savers that the tardy unfortunates are rapidly following in the wake of the pioneers, so all Kansas grain will soon be handled thru the country elevators without friction.

WHAT WOULD you do if your elevator, filled to the eaves with grain, started to groan and crack? Would you join the rats and mice in their hurried exodus, or would you open all the bins and save the house? Do not decide until you have inspected our photograph of the ruins of the Manitoba elevator which collapsed.

MAGNETIC separation of tramp iron from the material going to feed grinders has been installed in many Michigan plants, largely thru the well directed efforts of fire insurance field men. The real need of this protection is evidenced by the total destruction of a grinder at Athens, Mich., recently, tho fortunately no one was injured.

GOVERNMENT levying taxes to conduct a losing barge line on a basis of rates that injures a manufacturing industry is the interesting question presented by a sugar refinery of Savannah, Ga., objecting to proposed joint rates on sugar that would turn over part of the Savannah refinery's territory in the Southwest to refiners of New Orleans.

GRASS SEED buyers are cautioned against a smooth-tongued salesman now operating in Kansas and collecting \$1 to \$1.50 per pound for his alleged "super-grass" seed. Analysis showed it to be 88 per cent meadow fescue worth 14c per pound. At one town alone, Great Bend, the shark, who used the name of Miller, disposed of 500 lbs. of seed.

THEFTS of grain from cars by men who pretend to sweep out the empties in railroad yards would be less frequent if justice in the States were administered as severely as in Canada. At Port Arthur, Ont., a man who said he picked the wheat off the ground on the tracks was fined \$10 just the same, the charge being changed by the magistrate to trespassing on the tracks.

THE GRAIN ELEVATOR operator who offered cash prizes for the biggest load of new grain delivered at his elevator during the first month of the crop's movement aroused unusual interest among his farmer patrons by posting the name of the hauler of the heaviest load each day. By refusing to disclose the amount of grain in the heavy loads the dealer kept most of his customers in suspense until the close of business on the last day of the month. Some dealers have gone to the extent of advertising their prize offering in the local papers and announcing the names of those in the lead each week through the same medium. This prize offering should stimulate the interest of growers in early deliveries as well as to divert some business to the elevator of the prize giver.

LOCAL meetings of country dealers continue to improve trade conditions in many sections. Too bad all dealers have not long since recognized the full advantage of cultivating friendly relations with their fellow sufferers. A free exchange of business experiences has always proved helpful, and we know that bad practices are being corrected in many states thru the medium of local meetings.

WHEN the fire breaks out, fire extinguishing equipment in close proximity is all important, but every one is too busy fighting fire at that minute to do anything about it. Recently a Memphis dealer discovered to his great dismay, after the fire had gained good headway, that the nearest hydrant was four blocks away and no other fire fighting apparatus had been provided. Nothing to do but let it burn.

THE WELTON (Iowa) Elevator Co., has discovered a new objection to storing farmers grain. One farmer who has brot suit for \$1800 alleges a shortage in the amount of grain stored and charges the elevator company with mixing his grain with grain of an inferior grade. So henceforth elevator operators with a weakness for storing farmers grain must include the expense of defending law suits in the cost of storing.

POLITICAL scale inspectors take no interest in their work other than the collection of fees, in most cases; and where state grain dealers Ass'ns or a scale maker have provided a scale inspection service the country elevator operator will profit by paying this private agency for scale inspection at stated intervals, with the knowledge that railroad claim agents will be more likely to honor his claims for loss of grain in transit.

A BOX CAR may jump the track and knock the elevator off its foundation as one did at Antelope, N. D., recently, making it advisable to remove all temptations from the sportive equipment. Some attention to the switch points and to keeping the vicinity of the rails clear of timbers will help the elevator owner who otherwise might have to stand all the loss if his house happens to be on the right of way by grace of one of those unfair right of way leases.

FREE STORAGE for farmers' grain not only deprives the grain shipper of the use of his house, but may be an inducement for the grower to hold his wheat for higher prices, contrary to all the statistics that show the rise of prices averaging a number of years does not equal the interest on the money invested in stored wheat. The grain dealer who does not want to store for farmers will do them a favor by informing them that statistics prove it does not pay.

A GRAIN FUTURES ACT that forbids cash grain dealers from selling grain for deferred delivery except on a grain exchange is so ridiculous an interference with legitimate business that the Department of Justice is making no attempt to enforce it altho the letter of the law is violated a thousand times a day. In fact, not one in a thousand of the shippers who accept a bid for a car of grain to be loaded in 30 to 60 days, knows that he is violating any law.

SCOOPERS ignore contracts with farmers with terminal buyers, who are so unwise as to encourage this unfair competition by sending bids to the irresponsible Knights of the Shovel. Without capital or facilities they can not be expected to make good.

THE IMPRESSION is gaining ground in many quarters of the grain trade that favorable grading as well as lower freight rates is helping to route U. S. grain for export via Montreal. Grading grain on minor technicalities may delight the bureaucrats of the chemical laboratories, but it will not help to promote the foreign trade of our exporters.

BOX CARS are in much better condition than ever before or else the R. R. Claim Agents have trained them not to leak while a grain dealer is looking, because we seldom receive reports of cars seen Leaking Grain in Transit. We are glad to publish all the essential facts regarding such leaks because the reports help our readers to collect for their loss from the carrier.

GRAIN DEALERS who are willing to profit by the experience of others will read closely the digests of Supreme Court Decisions settling grain trade controversies most of which are published in the Journal as rendered. When you have a dispute involving a grain trade problem do not hesitate to submit it to our Legal department. We have thousands of Supreme Court decisions indexed and cross-indexed for ready reference and the special use of our readers, so do not hesitate to call on us when in doubt as to your rights.

A CONGESTION in the wheat movement from Canada is bound to occur when as at present Europe refuses to take delivery faster than its day to day consumption. In such an emergency it is unwise to permit the railroad cars to be used as storehouses, as will naturally be the result of loading cars in the west more rapidly than they can be unloaded at the terminals. The grain will pile up somewhere between the elevator on the Western prairies and the ocean steamers and the proper place is in adequate storage elevators located to serve the maximum territory.

AT LAST the Canadian wheat pool has made its final payment on the crop of 1927 bringing the price paid for No. 1, Northern at Fort William up to \$1.42¾ per bu. as compared with \$1.42 for crop of 1926; \$1.45 for 1925 and \$1.66 for 1924 crop. The total deliveries claimed aggregate 210,000,000 bus. The average of open market prices for the Pool's year ending July 15 was 55½ cts. higher on No. 1, Northern and 6½ cts. higher on No. 3, Northern; but it is understood that the members who delivered mixed red and white spring wheat did not participate in the final distribution or in the interim payment of last July. Altho pool champions are very extravagant in their claims as to enlarged membership and increased volume observing members of the Canadian grain trade will continue to discount the claims liberally until supported by facts and figures. Up to the present the Pool has been averse to giving out detailed information, so its members have been left in the dark as to what or how results were obtained.

UNEVEN LOADING of cars arriving at Kansas City has prompted the Board of Trade to issue a warning to grain shippers. Besides the rule in effect at all inspection points requiring the inspector to give the grain the lowest of the grades found in the car the rules of the Kansas City Board permit the buyer to reject an unevenly loaded car. To escape selling the grain at a big discount it is advisable to mix the qualities thoroughly when different grades must be placed in the same car.

ELEVATOR operators who work hard year in and year out without accumulating any surplus may gain a clue to the reason by perusing the brief summary of the Illinois Agri. Experiment Station's study of the operation of 56 Illinois elevator companies found elsewhere in this number. All but 23 succeeded in paying expenses and these tried to work on such a narrow margin the auditors found them in the red, in other words they preferred to do business for nothing and pay their own expenses.

FARMERS patronizing the elevator man for their feed requirements in the way of grinding or concentrates or supplementary mixed feed will give more credence to the dealer's selling efforts when the latter can answer inquiries by declaring, "I've got it." One way to have "it" is to follow the suggestion of the speaker at the Ohio convention reported elsewhere in this number on "How to Make a Fortune in the Feed Business" by carrying a line of mixed feeds put out by a well-established manufacturer of reputation.

ANTI-FRICTION bearings have been given a careful trial in so many country elevators with satisfactory results that all elevator owners have now come to recognize the real advantages of this great improvement. Not only do anti-friction bearings pay for themselves in time and labor saved, but they also minimize the hazards of hot bearings and remove the cause of worry to the elevator owner who fears his plant will be burned. Anti-friction bearings when properly installed effect a sufficient reduction in the power necessary to operate an elevator to make it possible to get along with much smaller motors and thus reduce the cost of motive power more than the cost of installing anti-friction bearings. Over 95% of the 900 elevators erected in Canada this year will be equipped with anti-friction bearings.

MILLERS who make flour or other food products can not expect to improve the demand for their output with grain receivers and brokers by going around them and buying all grain direct from producers in distant fields. The grain exchanges maintain public markets for the convenience and protection of producers and consumers as well as manufacturers and in the interests of all, the exchange facilities should be utilized. Without the exchanges the manufacturers would be all at sea as to the market value of their raw material. Generally, the buyer, who persists in going around his home exchange, is guided in his action by a deep seated prejudice against its rules and regulations designed to promote fair dealing. The earnest co-operation of every active grain dealer is needed all the time if the grain exchanges are to be maintained on a plane of high efficiency.

Wage Increases and Rate Reductions Impracticable on Western Roads.

Train service employees of the Western railways are demanding an increase of 7½ per cent in wages because such an increase was granted in the East and Southeast; but the railway managements in the East and Southeast are not burdened by the inefficient and wasteful double-header rule. This rule exists in the West alone. The Western railways offered the men an increase of 7½ per cent if they would agree to the elimination of this double-header rule. But while desiring equality as regards wage increases, the men do not desire the same equality as regards the double-header rule.

The only purpose of the double-header rule is to multiply train movements and consequently to increase the number of openings for train service employees. This rule is in defiance of every economic law of efficient management, and had the single-engine trains been restricted as the double-header trains are, the bulk of the Western railway mileage would now be in the hands of receivers.

The unfavorable position of the Western roads is shown by the fact that net earnings per mile of road in 1927 amounted to \$2,994 for the Western roads, \$4,812 for the Southern roads, and \$7,636 for the Eastern roads. From the so-called "test period"—the annual average of the three years ending June 30, 1917—to 1927, net earnings per mile of road increased twenty-seven per cent in the East, increased forty-eight per cent in the South, and actually decreased four per cent in the West.

This situation has come about despite the greatest efforts on the part of the Western lines to increase the efficiency and economy of their operations.

Freight rate reductions have been made since 1921 which have cost the Western railways one and three-quarter billion of dollars. In 1927, the freight rate level of the Western lines showed a reduction of more than seventeen per cent below 1921, this reduction amounting to \$362,000,000 in the last year alone.

The Western roads last year earned a return on their investment of but 3.84 per cent, while the Eastern roads earned 4.40 per cent and the Southern roads 5.21 per cent. Whatever is done the public must pay the bill.

TO HOLD OFF on handling new corn until it is in condition to ship may save the dealer an anxious week waiting for returns on the out-turn, especially if sold to go to "destination" unknown.

It's great to be alive and be
A part of all that's going on;
To live and work and feel and see
Life lived each day from early
dawn;
To rise and with the morning
light
Go forth until the hours are late,
Then joyously return at night
And rest from honest toil—it's
great!

Sidney W. Mase.

Restraining Unfair Competition.

The competitive system working freely for ages past has achieved for civilization a pinnacle of prosperity making it a shining mark for attack by socialists, and champions of government ownership, pooling and co-operation. Even those engaged in competitive enterprises do not like competition when it is unfair. Instead of being the life of trade many bankrupt businessmen can testify it is the knife of trade. So a sympathetic attitude toward the middleman is gaining strength.

The Michigan Commissioner of Agriculture sponsored a conference this month at which dealers and growers of beans agreed that buyers of beans were entitled to a margin of 75 cents per cwt. The dealers in the conference were in the minority, yet their new friends, the growers and the state authorities, cheerfully declared that dealers should not buy beans from growers without proper picking nor without proper deduction for excess moisture. The details of this interesting agreement are published in full elsewhere.

The difficulty with all agreements looking toward a live and let live policy is in the enforcement against the few greedy individuals who fail to abide by the standards set by their fellows. The Federal Trade Commission recognizes the necessity of controlling the unruly in a resolution recently adopted to the effect that clandestine violations of rules of trade ass'ns governing business will be considered unfair competition. Such a definition of "unfair competition" becomes important when it is coupled with the power of the Commission to discipline a violator.

Here Chairman W. E. Humphrey of the Commission dissents from the majority of his fellow commissioners; and in the present state of the law we regretfully have to admit the chairman is right in contending that the resolution gives to the trade practice conference rules the sanctity and force of an Act of Congress. Mr. Humphrey declares:

"Hereafter, each separate industry, with the approval of the Commission, can make laws for itself. The practice condemned by one industry may be adopted and approved by another. They will make such rules as they believe to be in the interest of their own industry only.

"It is a step toward the old guild system, with a separate industry making its own laws; and each taking care of itself regardless of the interest of other industries and of the public."

Hitherto when a trade ass'n in convention assembled adopted a Code of Ethics amid a chorus of ayes the hard-headed old timers in the business would laugh in their sleeves at this futile gesture. With this new interpretation and resolution by the Federal Trade Commission the regulations promulgated by trade organizations will take on new force and effect. For example it would be unnecessary for an organization of retailers in Chicago to hire gunmen to throw "pineapples" at markets that sell fish too cheap, or at dry cleaners who started a new shop too close to an established concern.

Application of the new principle to the operations of a local organization of grain dealers would penalize the dealer who paid more for grain at his station than the agreed upon difference under the established terminal price. All grain buyers who have suffered from the price boosting tactics of a high overbidder at their own or a near by station will welcome any means that will curb his pernicious activity.

Altho Chairman Humphrey states that he doubts Congress will look with favor upon this attitude of the Commission to supersede Congress in the enactment of laws to govern the industries of the country, the restraint of unfair competition is so essential to the welfare of the community every endeavor should be made to obtain legislative sanction for the new principle. Just as Magna Charta in old England gave the individual protection against his oppressors so may the resolution of the Commission give the individual trader protection against the cut-throats in his line of business. The consequent reorientation of industry following suppression of unfair competition would be a milestone in human progress.

Additional Free Time for Disposition of Grain at Terminals.

The request of the Chicago Board of Trade as formulated in a petition to the Interstate Commerce Commission and published elsewhere that the time for the accrual of demurrage be shifted forward from 6 p. m. to 4:30 p. m., and that the reporting of inspection be correspondingly shifted forward from 11 a. m. to 9:30 a. m. is in line with the policy of the railroad companies that makes for greater efficiency all along the line.

Good management has obtained heavier car loading, longer trains and greater speed in movement. The joint advisory boards of shippers and carriers have effected a wonderful improvement in the distribution of equipment where needed to load grain. It is not too much to expect co-operation by the carriers in the demand by the Chicago Board of Trade that handling at terminals be correspondingly speeded up.

Altho the Chicago Board has taken the initiative in this progressive step, its complaint should have the indorsement of the other grain exchanges by the filing of intervening petitions followed by arguments supporting the position taken by the Chicago Board of Trade. A movement in the interest of all deserves the support of all.

WAS the office stove in good condition when it went out of use last spring, or has something happened to it during the summer that makes it a dangerous fire hazard? Before starting the fall fires these cool days it is advisable to give the heater a thoro examination.

CAR SEALS, consecutively numbered, afford the grain shipper a private check on the handling of his shipments after the car has passed out of sight. Such proof that the car has been opened and closed before unloading may help to make good a claim for shortage in transit.

KING CORN won his annual race with Jack Frost in a walk, in fact he has been making faces at his old-time persecutor ever since he entered the third quarter. It has been so long since the dealers of the Corn Belt had a large crop of quality corn to handle, they will exercise extra caution to handle every lot on a safe margin.

Sacramento, Cal.—The Capitol Rice Milling Co., whose plant was recently destroyed by fire, plans to rebuild. The estimated cost of the new structure is \$200,000.

Gambling Plea Ineffectual.

The Court of Appeals of Kentucky on Oct. 2, 1928, denied Goalder Johnson a rehearing of the judgment against him in favor of W. R. Craig & Co., cotton brokers of New York, who had brot suit to recover \$2,630.82 due on contracts for the future delivery of cotton that had been closed out when the margin was exhausted.

In the lower court, the Circuit Court of McCracken County, Kentucky, Johnson won on a jury verdict on the defense that it was a gambling transaction. The Court of Appeals held that the question of gambling ought never to have been submitted to the jury and reversed the decision, saying:

Written contracts confirming actual transactions on the established exchanges, appearing prima facie to be lawful and legitimate deals, are presumed to be what they purport, but the presumption may be rebutted by proof of facts and circumstances showing the contrary. The burden, however, is upon the party who asserts that the contracts apparently lawful are in fact mere subterfuges for the concealment of an unlawful enterprise.

If there is a conflict in the evidence on the question of whether the contract involved is genuine or a gambling transaction, it is for the jury, under proper instructions, to determine the issue.

We find no evidence in this record that the transactions between the parties were other than that shown by the documents. Johnson testified that he had no idea whatsoever that any cotton would be delivered or received under the contracts. But there is no proof of any such understanding or agreement between the parties, and no circumstances shown from which a tacit understanding of that character could be inferred. Johnson may have intended to sell his contracts before the arrival of the date for delivery, as he had a lawful right to do.

But it is insisted that the clearing house arrangement, by which the purchases and sales by brokers are settled, changed the legal relations of the parties, and cast the burden on the broker to prove that he had on hand the cotton called for by the customer's contracts. We do not so understand the law or the fact.

Void if Both Wager.—The contract is void only when both parties intend it as a wager, to be settled by the payment of differences and not by the delivery of grain. *Gettys v. Newburger* (C. C. A.) 272 F. 209; *Browne v. Thorn* (C. C. A.) 272 F. 950; *Sawyer, Wallace & Co. v. Taggart*, supra; *Conner v. Robertson*, 37 La. Ann. 814, 55 Am. Rep. 522; *Johnson v. Clark & Co.*, 6 S. W. (2d) 1048, decided May 3, 1927.

In this case the proof is uncontradicted that valid contracts of purchase were entered into in every instance, and that the cotton was ultimately delivered under them to the person entitled thereto when delivery was due by their terms.

It is further argued that there was proof of an agreement to extend credit to Johnson, and that he was entitled to be carried by appellants until his losses exhausted that credit. The evidence on that subject was in conflict, but neither the pleading nor the proof of appellee showed that he was damaged by the breach of the agreement to extend him credit. If the agreement was made, as appellee claims, it was in reality but an agreement to lend him money to carry on his business of buying cotton for future delivery. Under the allegations of his pleadings and in the light of his proof, no cause of action on that score existed. In the contemplation of law, money is always in the market at the legal rate of interest. So the measure of damages for the breach of a contract to lend money is the difference in the legal and contractual rate of interest, if the latter was less than the legal rate.

It is apparent that neither the pleadings nor the evidence authorized the submission of this question to the jury. The peremptory instruction asked by the appellant to find for it the amount due on the undisputed account should have been awarded.

The judgment is reversed for proceedings not inconsistent with this opinion.—9 S. W. Rep. 2d 110.

Argentina.—The "Review of the River Plate," under date of Sept. 14, says the government has submitted to Congress a plan for providing the country with a system of bulk handling grain elevators.

Washington, D. C.—Wheat scab has caused an average loss of 12,000,000 bus. annually for the last nine years, says the U. S. Department of Agriculture. Corn ear rot has caused an average loss of 100,000,000 bus. for the last five years.

Reaching the top is only half the battle; the hard work that got you there must be continued day by day to keep you there in equilibrium.

Asked— Answered

[Readers who fail to find information desired on any subject of interest to grain dealers should send us their query for free publication here. The experience of your brother dealers is worth consulting. Replies to queries are solicited.]

Grading Wheat with Objectionable Odor.

Grain Dealers Journal: Looking thru the booklet of rules for grading issued by the government I do not find any authority for marking the certificate with the words: "Commercially Objectionable Odor." Why do the licensed inspectors do this? This notation on the inspection certificate hurts the sale of the grain.—J. L. Thornton.

Ans.: For the guidance of grain inspectors in interpreting the standards the Department of Agriculture issued a regulation June 22, 1926, under the caption, "Commercially Objectionable Odors," to the effect that "Any foreign odor in wheat not common to virgin wheat, and not specifically mentioned as a grade factor in the standards shall be considered 'Commercially Objectionable.'"

Rat Exterminator Wanted.

Grain Dealers Journal: In your valued Grain Dealers Journal of the tenth of October, I notice your story on page 444 stating that chlorpicrin is sure death for rats, as well as for weevil. Where can I buy this.

Would also be interested in learning where I can get calcium chloride.—C. S. Laird, Ingalls, Kans.

Ans.: As stated, chlorpicrin is sure death for weevil and rats as well. Contrary to other fumigants, the rat or weevil, or any other insect, pest, rodent, etc., will die after once being "touched" with the exterminator. Unlike other products now on the market which just drives rats away until after the fumigation is over, a couple of breaths of chlorpicrin does the trick and the rats never live nor have they strength enough to drag themselves into the open air. Chlorpicrin is said by the fumigators to embalm rats, there being no odor or "after smell." The Furniture Fumigation Co. is distributor of "Larvacide," the commercial trade name of chlorpicrin.

Calcium chloride may be obtained from the Carbondale Fire Prevention Co.

Holidays and Time of Shipment?

Grain Dealers Journal: Please advise when time expires on a sale under the following conditions:

Two cars of corn were sold on Oct. 11, 1928, for three days' shipment, fob Illinois point, Indianapolis terms.

Does the time commence the next day after date of contract or next business day?—Fred Shelby, Muncie, Ill.

Ans.: According to Rule No. 2 of the Grain Dealers National Ass'n the word "terms" shall be construed to mean that all the rules governing such market shall obtain. Therefore whatever rule the Indianapolis Board of Trade has upon this subject will govern.

The Indianapolis rule, Sec. 17, paragraph 3, is, "Contracts made for any specified number of days, shall be understood to mean calendar days not including day of sale."

Rule 5 of the Grain Dealers National Ass'n provides, "In making contracts, any given number of days shall mean calendar days, excluding the date of sale in which to load and ship grain to apply on a sale for shipment." Under this rule the fact that Oct. 12 was a holiday means nothing. Grain loaded on Sunday, Oct. 14, would fill the contract, if the shipper had filed shipping instructions with the railroad company on or before Oct. 14. If he could not do this on a Sunday it would have to be done on the Saturday preceding, Oct. 13, as Monday would be too late under the rule.

Compensation Insurance Applicable to Illinois Elevators?

Grain Dealers Journal: I received a letter from the Industrial Commission of Illinois, Chicago, asking about if we carry any workmen's compensation insurance. They inclose "Application for Permission to Carry Own Risk Without Insurance."

Are we country elevator operators required to carry this insurance?—George C. Tjardes, Emington, Ill.

Ans.: Under Sec. 3 the Workmen's Compensation Act of Illinois applies to "The operation of any warehouse, or general or terminal storehouses."

An employer who does not choose to pay insurance premiums on accident liability is given the privilege of carrying his own risk, but under Sec. 26 of the Act is required to "File with the commission a sworn statement showing his financial ability to pay the compensation provided in this Act." The penalty for failure to comply with this requirement is a fine of \$100 to \$500 per day for refusal or neglect.

The State has seen fit to place the burden of caring for the injured primarily upon the industry in which the injured was employed instead of upon the county or his family. Farm activities are exempt from the law.

Charge for Bulk-Heading?

Grain Dealers Journal: Can the Journal give us the ruling regarding the bulk-heading of cars. We understand that we must stand our own risk on the mixing of the grain, also that there is a charge of \$5 in addition to the regular freight rate.

Our local railroad agent contends that there is also a charge of \$1.50 for each grain door used. He presented a bill for \$6 for four grain doors which we used a couple of days ago. We refused to pay, claiming that if there was a charge, it would be taken care of at Chicago, along with the \$5, which we contended took care of the usage of the railroad company's doors. Who is right on this matter?—Farmers Co-operative Co., B. H. Knudson, mgr., Roland, Iowa.

Ans.: The \$5 charge is for the privilege of shipping a bulkhead car and has nothing to do with the material used. The shipper has to provide the material and labor for bulkheads and if he uses the railroad company's grain doors is chargeable therefor. No obligation rests upon the railroad company to furnish bulkhead lumber.

One shipper at the Boston convention of the Grain Dealers National Ass'n told how he used two tiers of filled grain bags to form the bulkhead at a cost to him of about \$2.50 and that on account of this method avoiding damage to the car by nailing the Pennsylvania Railroad Co. was refunding to him the \$5 bulkhead fee.

Merchandise Soy Bean Seed Successfully.

Grain Dealers Journal: The soil in my territory is badly in need of lime, but only a few farmers are willing to make the investment. As a consequence of this disparity clovers and alfalfa will not grow successfully. Can you suggest some other commodity that I might be able to recommend to my patrons, preferably something which will have a ready market.—Kansas Dealer.

Ans.: On such soils as will not grow clovers and alfalfa without lime, the soybean is a great substitute. It is a plant which will grow in somewhat acid soils.

The crop can be advantageously shipped to the Kansas City market in the event that disposition is decided upon. As a hay crop, it probably is the best substitute for alfalfa we have, yielding from 1 to 3 tons of fine hay an acre. As a grain crop, it is a fairly profitable one, and ground soybeans are undoubtedly as good a protein dairy feed as we have. They have no superior.

Several varieties are good, the best all-around variety being the A. K., a yellow seeded variety. The Virginia is a great hay variety and yields much seed. As a seed yielder, and also for hay, the Sable has held its own.

Soybeans also keep down weeds on the headlands around corn fields. They are drilled in after the corn has been cultivated twice, as with cowpeas.

Cowpeas are another good seed to handle. They require no cultivation and do not interfere with the maturing of the corn. These vines also cover the ground and keep down weeds. After the vines and stalks decay the added

humus and nitrogen added to the soil give from 25 to 50 per cent better yields of corn or cotton the next year. Cowpea seed usually has an attractive market.

Banks Financing Country Elevators?

Grain Dealers Journal: In a Minneapolis paper I read that according to the national banking law a country bank not having more than \$50,000 capital cannot loan over \$5,000 on grain in transit, and that therefore the country shippers have to be financed by the terminal market receivers. What is the limit on advances on grain?—O. M. Carlson.

Ans.: The national bank act limiting loans to 10 per cent of the capital and surplus does not apply to drafts made with Bs/L attached covering grain loaded into cars in transit. A country bank having \$50,000 capital and \$250,000 in deposits could advance every dollar of its capital and as much of its \$250,000 deposits as it cared to on drafts against Bs/L for the reason that such advances are not loans.

If the grain is in the elevator held in store and offered as security the amount advanced is a loan and is limited by the law. It is also a loan when several directors indorse the grain company's paper, and subject to the limit. A mortgage on the elevator as security would be a loan.

Local capital, not from the bank, should pay for the land, and the building and the equipment, as well as provide a small working capital that could be profitably employed thru the year. For the rush of grain after harvest it is legitimate to call on the local bank for every dollar needed to carry the grain from the local station to the terminal where the shipper's draft is honored before the arrival of the grain. At the terminal the grain receiver pays the draft and uses the B/L as security for a loan from the terminal bank, charging the shipper with the interest, and that is the extent to which the terminal should finance the independent or co-operative country elevator.

Liability of Receiver of Mortgaged Grain.

Grain Dealers Journal: We wish to thank the Journal for the analysis of the commission merchant's liability appearing in last number of the Journal, and would like to have more information along this line.—Rocky Mountain Grain & Commission Co., Kansas City, Mo.

Ans.: The decisions are in the main favorable to the commission merchant known in law as a "factor," who has no reason to believe his principal is without right to dispose of the goods mortgaged. Following are additional decisions:

A mortgagee cannot pursue the proceeds of a wrongful sale. He must resort to the property itself.—*Waters v. Cass Co. Bank*, 65 Iowa 234; *Nordby v. Clough*, 79 Iowa 428; *Harlan v. Ash*, 84 Iowa 38; *Burnett v. Gustafson*, 54 Iowa 86; *Fairweather v. Nelson* (Minn.), 79 N. W. 506.

Where mortgaged grain is removed from the land on which it is grown, it is prima facie free of incumbrance, and knowledge by a purchaser after removal that it was once mortgaged does not prevent his being a bona fide purchaser, altho the tortious removal of a crop by a mortgagor or by third persons does not destroy the lien of the crop mortgage.—*Corpus Juris*, "Chattel Mortgages," Sec. 341. *Brande v. A. L. Babcock Hardware Co.*, 35 Mont. 256. *Crosby v. Fresno Fruit Growers Co.*, 30 Cal. App. 308.

In a jurisdiction where the mortgage creates a lien merely and not a title, it has been held that the mortgagee may, in equity, insist that his lien adheres to the proceeds; and it has been held that the lien of a mortgage on a growing crop follows the grain after severance, and the proceeds after a sale thereof, altho a contrary rule prevails where the property is acquired by an innocent purchaser for value.—*Corpus Juris*, "Chattel Mortgages," Sec. 347.

Where the mortgagee brings an action against a purchaser, it is a complete defense that defendant purchased the property without notice of plaintiff's rights.—*York v. Murphy*, 91 Maine, 320.

It has been held that where the factor receives goods for sale in good faith and pays over the proceeds to his principal, who purports to be the true owner, before he has notice of the true owner's rights, and has neither the goods nor the proceeds in his possession when demand is made by the true owner, he cannot be said to have knowingly asserted any claim to the property or its proceeds against the owner and consequently is not guilty of conversion.—*Phelps v. Barkley*, 19 Ky. L. 346.

Feed mill operation has been found to have no effect on the sale of tankage, mineral feeds, etc., though the sale of bran, red-dog, and oil meal is somewhat reduced thereby.

Leslie F. Gates Passes Away.

Grain trade circles were shocked and grieved at news of the death of Leslie Freeman Gates, partner in the firm of Lamson Bros. & Co., Chicago, on Thursday night, Oct. 18. He had suffered for a number of years from acute indigestion, which finally reacted upon his heart.

Mr. Gates was spending a few days with some of his associates at French Lick, Ind., when he was stricken. He was immediately rushed to a sanitarium in Battle Creek, Mich. Three days of serious illness ended with a heart stroke which caused his death. The body was returned to the Gates home in Wilmette, Ill.

Funeral services were conducted at the Wilmette Congregational church at 3:30 p. m. Sunday, Oct. 21, by Dr. Howard Agnew Johnston of Milwaukee, a friend of the Gates family. Representatives of the Board of Trade, the Union League Club, the City Club and countless friends sent floral offerings and attended the services. Burial was private at Graceland cemetery.

Mr. Gates was born in Canton, Pa., Dec. 21, 1873. He was educated in Eastern schools and after graduation from Lafayette College, at Easton, Pa., in 1899, located at Chicago, as western manager for D. Appleton & Co. Seven years later he entered the grain commission business as a member of the firm of Lamson Bros. & Co., with which he was associated to the time of his death.

In 1911 Mr. Gates was elected a director of the Chicago Board of Trade and served in that capacity for six years. Since then he had served the exchange almost continuously. He had been a member of the executive committee of the Board of Trade Mutual Benefit Ass'n, chairman of the Finance and Real Estate Committees, a member of the Promotion Committee and had served in various other capacities.

In 1919 he was elected pres. of the Board and was re-elected the following year. For the last 10 years he had been a member of the Legislative Committee of the Grain Exchanges, to which he devoted a great deal of time, and in that capacity he frequently acted as official spokesman for the grain trade of the entire nation. He was regarded as a leading authority on futures trading.

Mr. Gates' activities were by no means confined to the Board of Trade. As became a good citizen he took an active interest in civic and educational affairs. In Wilmette he served as pres. of the New Trier Township High School Board and he was a trustee of Lafayette College. For a number of years he served on the Board of the Citizens' Ass'n.



Leslie F. Gates, Chicago, Deceased.
Photo by Moffett.

Expression of his interest in art and books are found in his work with the Laurel Book Co. of Chicago and the Laurel Co. of Laurel, Ind., both of which concerns he served as pres. He was a member of the Art Institute at Chicago and was on the Boards of several other educational institutions. Colleges were his favorite charities.

Among his clubs were the City Club, the Union League Club, the North Shore Golf Club, the Commonwealth Club, and the Delta Upsilon Fraternity.

On Saturday following his death, the Chicago and St. Louis exchanges closed 30 minutes early out of tribute to his memory. A detail of the Board of Trade Legion Post at Chicago played taps from the visitors' gallery when the market adjourned.

Some expression of the high esteem in which Mr. Gates was held by his friends and associates is found in the tributes they paid upon his passing.

Geo. M. Reynolds, pres. of the Continental & Commercial National Bank of Chicago, said, "In the passing of Leslie Gates Chicago has suffered a real loss. He was not only very active in connection with affairs of the Board of Trade, where bankers knew him as a leading and very reliable member, but was deeply interested in the general welfare of the City of Chicago. He had a fine sense of his duty as a citizen. His judgment was sound. He attracted to himself a great many friends and had a quality of leadership that enabled him to accomplish whatever he set out to do."

Pres. Samuel P. Arnot of the Chicago Board of Trade, declared his passing a distinct shock to the entire grain trade and said, "He was a man of great capacity and had worked long and faithfully in behalf of the grain exchanges."

James A. Patten, a close personal friend, declared his death "a loss not only to the marketing industry, but to business in general. His passing is a real loss to Chicago, for he was a leader of exceptional ability, a man of vision and force. News of his death comes as a shock to business and finance."

Mr. Gates is survived by his widow, Mrs. Josephine Lamson Gates; a daughter, Helen Gates; his mother, Mrs. Stephen Pratt Gates of Easton, Pa.; a sister, Mrs. Sarah Gates Crockett, and a brother, Harry C. Gates. Countless friends mourn with the bereaved and extend their sympathies.

The Semi-Annual meeting of the Millers National Federation will be held at the Stevens Hotel, Chicago, on Nov. 15-16, announces Sec'y A. P. Husband.

A campaign has been started in Scotland against manufacturers of prepared animal feeds who adulterate their products with sawdust, according to recent report. The canny Scots might get by if bags were labeled as containing an admixture of "ligneous cellulose."

Moscow, Russia.—A proposal to establish a grain institute here with a system for storing, transporting and grinding grain, to be under the management of the Scientific Department of the Upper Economic Council, has been made. A testing mill, bulk storage space, a testing room for machinery, and laboratory would be included in the facilities.

Omaha, Neb.—C. Vincent of the Vincent Grain Co. has been conducting experiments with electroculture of food crops during the past summer. His experiment with spring wheat has been concluded and harvest of two strips, raised under identical conditions from the same lot of seed, except that one strip was brought under the influence of atmospheric electricity, showed the electrically influenced wheat yielded 38½ bus. per acre, compared with 28.9 bus. for the grain which was not so influenced. Quality was likewise improved. An experiment with corn has not yet been completed.

Coming Conventions.

Trade conventions are always worth while as they afford live, progressive grain dealers a chance to meet other fellows from the field of daily strife and to be convinced that the much maligned horns are truly mythical. You can not afford to pass up these opportunities.

Oct. 30-31, Nov. 1. Nebraska Farmers Grain Dealers Ass'n Silver Anniversary, Hotel Rome, Omaha, Neb.

Nov. 1-2. Ass'n of Feed Control Officials at Washington, D. C.

Nov. 15-16. Millers National Federation semi-annual convention, Chicago, Ill.

Nov. 16. Piedmont Millers Ass'n at Greensboro, N. C.

Dec. 11-13. Farmers Elevator Ass'n of South Dakota at Mitchell, S. D.

Dec. 18. Farm Seed Ass'n of North America, Stevens Hotel, Chicago, Ill. Business meeting only.

Jan. 23-25. Iowa Farmers Grain Dealers Ass'n, silver anniversary convention, Fort Dodge, Ia.

Feb. 5-7. Farmers Grain Dealers Ass'n of Illinois, at Joliet, Ill.

Feb. 5-7. North Dakota Farmers Grain Dealers Ass'n 18th Annual Convention, Fargo, N. Dak.

Feb. —. Eastern Federation of Feed Merchants Semi-Annual Meeting.

1929, Kansas Grain Dealers Ass'n, Wichita, Kan.

1929.—Grain Dealers National Ass'n at Peoria, Ill.

Program South Dakota Farmers Elevator Ass'n.

For the annual meeting of the Farmers Elevator Ass'n of South Dakota, to be held at Mitchell, S. D., Dec. 11 to 13, the following program has been arranged.

10 A. M., Tuesday, Dec. 11.

Address of welcome, responded to by A. L. Berg.

Secretary's Field Report, F. H. Sloan, Sioux Falls.

1:30 P. M., Tuesday, Dec. 11.

"Protein," by Wm. F. Schnaidt, Brookings, S. D.

"Terminal Grain Marketing," by W. J. Kuhrt, U. S. Dept. of Agriculture, Washington, D. C.

Address by P. L. Betts of Equity Union Creameries.

7:30 P. M., Tuesday, Dec. 11.

Executive Session of Delegates, Managers and Stockholders.

9:30 A. M., Wednesday, Dec. 12.

"Crop Improvement," by H. R. Sumner, sec'y Northwest Crop Improvement Ass'n.

"Cost of Operation," by Mr. Post of Agricultural College, Brookings, S. D.

Address by F. S. Betz, Chicago, Ill.

1:30 P. M., Wednesday, Dec. 12.

Address by J. W. Shorthill, sec'y Farmers National Grain Dealers Ass'n, Omaha, Neb.

"Our Brokerage Department," by E. L. Kregger, mgr. Iowa Co-op. Brokerage Department.

9:30 A. M., Thursday, Dec. 13.

Address by J. J. Murphy, state railroad commissioner.

1:30 P. M., Thursday, Dec. 13.

Com'te reports.

Reports of Sec'y and Treas.

Election of officers.

Wednesday evening, Dec. 12, will be devoted to the entertainment and banquet.

"Hope without action never gets anywhere." Operators "hoping" to put in new roller and ball bearings, silent-chain drives, additional machinery, equipment displacements, and all the what-nots in mind, have no figurative need of a pair of mythical spurs to prod themselves on to action if their wants will but be made known to those in a position to satisfy same.

Letters

[Here is the grain dealers' forum for the discussion of grain trade problems, practices and needed reforms. When you have anything to say of interest to members of the grain trade, send it to the Journal for publication. It may draw out the views of others.]

Tariffs Too Complicated.

Grain Dealers Journal: The Texas Railroad Commission has issued in one report covering 36 pages its ruling on the Consolidated Southwestern Cases, together with the Texas Class and Commodity Tariff No. 60.

This Tariff No. 60 seems to me as very detrimental to the small shipper who is not able to maintain a high-powered or expert rate man and is in the interest of the fellow who can, and I am taking it up with the Railroad Commission on this basis.

It seems to me the Commission has followed the policies of the railroads to make the tariff absolutely not understandable by the ordinary shipper, and I doubt if a rate proposition was put up to the commissioners and their experts that they would all give the same rate or same basis on many articles, and in this tariff they refer to three or four different tariffs to which you have to refer before you can figure out what a rate is.

In former years the Railroad Commission issued a straight grain tariff that was absolutely understandable by anyone, and I am going to insist that we have such a tariff now if I have to go to the legislature to get it.—H. B. Dorsey, Ft. Worth, Tex.

Exports of Diseased Barley.

Grain Dealers Journal: On page 441 of the October 10 number the Journal makes some rather extreme statements about barley exported from this country.

We have no interest whatever in this controversy with the German buyers, as we have had no grain whatever refused; but still we are always interested in the good name of the grain trade and believe that the United States Government and the Department of Agriculture are acting in all sincerity in the inspection of grain and are not inspecting as merchantable grain anything which is injurious as human or animal food. It does not seem to us that you could have made any investigation of the facts in regard to the inspection of this barley.—F. C. Jones.

The facts were given a few pages farther on, on page 445. Also there has come to hand since a complaint published in the Corn Trade News of Oct. 9 about the unsatisfactory flavor and feeding value of barley arriving at Bristol, Eng., and certificated by the United States inspectors as No. 2 grade under the Federal rules. An investigation is now being made, which will be published in due course.

The poisonous character of the barley is not due to anything occurring to the grain in the elevator. The disease came on while the barley grew in the field and the grain dealer is in no way to be held responsible. Even so, only a small portion of the American crop is infected, and it is unfair to proscribe entire states.—[Ed.].

The German Embargo on Barley.

Grain Dealers Journal: It has been erroneously reported that the German government has placed an embargo on imports of barley from certain states in the United States.

When the attention of the German government was called to the diseased barley by the farmers and the bourses of Hamburg and Bremen, the authorities, instead of declaring an embargo ruled that the barley could be imported on the condition that each single lot was analysed. No analysis was required on barley coming from Texas, Oklahoma, Kansas and Ontario, Canada.

All the barley thus being permitted to be unloaded, the grain dealers had to pay for the grain bought from American shippers, and after taking delivery could not distribute it until after the analysis showed it to be harmless. Accordingly they raised a big outcry that they would be ruined. Since they contracted for the barley early in the season the price has fallen 15 to 25 cents per bushel, making their position more difficult, altho they are honorably living up to their contracts.

As the matter now stands the American shippers are getting paid and are enjoying a special demand for grain from the three states exempted, while the German importers are holding the bag.

The grain exchanges of six German cities have joined in a telegram of protest to the government, alleging that cattle feeders in Westphalia and the Rhine country have made no complaint. They desire the restriction on distribution to be lifted.—Carl Schneider.

Objects to Grading Wheat Down on Account of Dark Germ End.

E. J. Smiley, Topeka, Kan., sec'y of the Kansas Grain Dealers Ass'n, in his Bulletin No. 152 addressed to members Oct 24 makes a vigorous objection to the practice of the federal licensed inspectors in lowering the grade of wheat for having a dark germ end. He says:

Most of you will know by experience that the Board of Review having charge of the grading of grain, with headquarters in Chicago, has had another tail spin similar to the one early in August at which time it attempted to interpret the grain standards, making all bleached wheat, hard wheat, yellow. We are advised by managers of farmer elevators, independent dealers, also terminal dealers, that deputy grain inspectors are now classifying all wheat with a brown germ end as No. 5 sample.

We are further advised that all wheat having a ground or straw odor is being classified as sample on account of being musty. We are reliably informed that in the process of milling this odor is removed and in no way affects the quality of the flour. This brown end germ is a new idea to me. Realizing that practically all headed and bundle wheat that has been threshed, and is now being threshed, carries this odor, and further realizing that if this ruling is to stand, that farmers and grain dealers will stand to lose thousands of dollars, prompted me to write the following letter to Dr. Wm. Jardine, Sec'y of Agriculture, Washington, D. C., that is self-explanatory:

"Owing to climatic conditions prevailing in this territory during the harvest period and immediately following, practically all of the head and bundle wheat that has been threshed during the past month and is now being threshed, carries a straw or ground odor, and many of the kernels are dark at the germ end. Practically all of the wheat (regardless of test weight) is grading No. 5 musty, and excess damage. A very small per cent of the wheat now being marketed is really musty, but the government supervisors at Kansas City and Hutchinson and Wichita, having jurisdiction over all licensed inspectors, insist upon grading this class of wheat down on account of straw or ground odor.

"I am advised by many country shippers that local mills throughout the state are accepting wheat carrying this straw odor for milling purposes.

"It is our contention that kernels of wheat showing dark at the germ should not be graded down, as this apparent damage is removed with the bran in milling and does not affect the quality of the flour. We have protested these technical rulings with the state inspection department of this state without result.

"Terminal buyers are taking advantage of these technical rulings, and you will note from the grain market review of the 15th published in Kansas City, that wheat of this class is being discounted from 10 to 15c per bushel. This is a rank injustice to the wheat producer of this state and should be corrected by your department. We now appeal to you for relief. We respectfully request that you arrange for a hearing either at Wichita or Hutchinson, which will best suit your convenience, at the earliest possible moment, at which time samples of wheat and evidence will be submitted that will bear out the above statements.

"Under separate cover we are mailing you a sample of wheat taken from a carload, together with pan ticket, and you will note that this wheat has been graded as low as No. 3, carrying 7% total damage. If this is the department's interpretation of the Grain Standards Act I can assure you that there is little or no No. 1 and 2 wheat remaining in the state. We are sending a copy of this letter to Dr. Besley

of the Board of Review. You will note that we have requested that a hearing be granted to be held either in Hutchinson or Wichita at the earliest possible moment."

The following is a copy of letter addressed to Dr. Jardine under date of October 19th by a prominent elevator operator in Wichita:

"We are very much at a loss to know just how to write what we want to, but the inspection department of our territory, and I understand all over the United States, is grading wheat, which an expert cannot tell from No. 1 wheat, No. 4 and No. 5 on account of total damage. It is a fact that Kansas has considerable damaged wheat on account of harvest rains, but we had a car of wheat in from a country shipper that graded No. 5, excess of 15 total damage, and one of our good mill buyers said if we would unload this at our elevator and haul it to their mill they would buy it for No. 1 hard wheat. It is impossible to discover the damage in a lot of wheat they are grading TOTAL DAMAGE, and I am sure that it is much to the disadvantage of the Kansas farmers and to the shippers. The writer is wondering if it is possible to be a little more liberal on the inspections. It looks to the writer as if every licensed inspector wants to see if it isn't possible to find a few more of what he calls total damaged grains than some other licensed inspector. Then the supervisor of grain grading will take the sample of wheat and insist that there is more total damage than the licensed inspector finds. With Washington advising it wants to help the farmers and grade his grain that it is impossible to tell it is other than No. 1, as No. 5 or sample grade, doesn't look the best to the writer. We are sure the terminal markets are taking advantage of these technical rulings. We hope that you will, and we respectfully request that you arrange for a hearing at Wichita, or some other city in the west to suit your convenience, at the earliest possible moment and we will have samples of this technical inspection from licensed inspectors."

It was assumed that when the Congress passed the act vesting authority with the Secretary of Agriculture to fix grain standards on which prices are based that the grower and grain handler would get a square deal. Is he getting it? If, in your judgment, based on your experience, you and the farmer are not getting a square deal, will you write to Dr. Jardine at once and tell him so and ask that he grant the hearing prayed for at once or instruct the Board of Review in Chicago to issue instructions to licensed inspectors to use common sense in grading this wheat. Show this bulletin to your farmer friends and have them write him. Also have your local paper print it in order that all wheat farmers may know whom to blame. Don't blame the state inspection department or the deputy inspector, as they are only pawns in the game and moved at will by the Board of Review in Chicago. We are at a loss to account for these radical changes unless it is a move on the part of the Agricultural Department at Washington to eliminate all state inspection departments.

Loading Spouts Thru Bins Opposed by Terminal Grain Weighmasters.

Following his address before the Terminal Grain Weighmasters Ass'n at Boston, Mass., last month on the subject "Construction of Loading Spouts," C. A. King, chief scale inspector of the Western Weighing and Inspection Bureau, introduced the following resolution, which was adopted:

Opposed to Loading Spouts Thru Bins.

WHEREAS, It has come to the attention of this Association that new grain elevators are being designed and constructed, particularly at country points, in such a manner that the car loading spouts pass through one or more bins between scale and car, and

WHEREAS, This type of construction is conducive of loss of grain between scale and car, particularly when no additional protection is provided to prevent the loss of grain, such as an outer well surrounding the car loading spout where it passes through bins, therefore be it

RESOLVED, That the Terminal Grain Weighmasters Ass'n is unanimously agreed that this form of construction is not conducive of accurate weights owing to the possible loss of grain between scale and car, and be it further

RESOLVED, That the Grain Dealers National Ass'n place this resolution in the hands of elevator builders and designers for their guidance when designing and building new grain elevators.

This resolution was handed to H. L. Goemann, chairman of the Transportation Com'te of the Grain Dealers National Ass'n and appeared in the Journal on page 383 of Sept. 25 number, whereas it should have been published in the report of the Weighmasters meeting on page 388 instead of the resolution opposing larger cars, on which the Weighmasters took no action, it not having been presented at their meeting.

Books Received

PRACTICAL FEEDING FOR PROFIT, is an up-to-date manual for the feeder and the small mixed feed manufacturer. It contains the condensed experiences of a large number of successful feeders explaining the working basis of modern rations, and giving information on the feeding of dairy, and beef cattle, hogs, sheep, poultry and horses. A number of good balanced formulas are included. Published by the Linseed Meal Educational Com'te, Fine Arts Building, Milwaukee, Wis., and sent free for the asking.

CO-OPERATIVE MARKETING is the subject of a letter from the Chairman of the Federal Trade Commission responding to Senate Resolution No. 34 on the development of the co-operative movement and containing a study of comparative costs, prices and marketing practices as between co-operative marketing organizations and other types of marketers and distributors handling farm products. This volume of 721 pages covers co-operative marketing of grain, milk, fruit, live stock, cotton, tobacco, nuts and other commodities. Chapters are devoted to organization, financing, suspensions and failures and co-operative law. The facts are fairly stated and the conclusions drawn are well considered. The author traces the history of every one of the grain pools and gives the reasons for their failure. Among these are the U. S. Grain Growers Inc., promoted by the American Farm Buro Federation which ran into a deficit of \$285,000 before it was fairly started altho 50,000 members had signed for 100,000,000 bus. of wheat. The Commission also correctly states the reasons for the failure of the Grain Marketing Co. The Commission on page 314 explodes the theory on which pools have been built declaring that "orderly marketing" does not work out always in ordinary practice, stating that "Because of unfortunate experiences the co-operative leaders have changed their theories on orderly marketing." Of the "most outstanding organization handling wheat (in the United States)" the Commission says "the expenses are greater than its competitors." Chairman Humphrey concludes "Only time and experience will determine whether or not the application of the co-operative principle in the marketing of such commodities will bring larger returns to the producer than are secured thru existing types of distributors." Issued as Senate Document No. 95 of the 70th Congress.

MARKETING: A FARMER'S PROBLEM is more than the title would imply, for it recounts from the early times of 1850 every development in grain handling in the Central West from the agricultural, trading, warehousing, legal and governmental control viewpoints, its chapters including Economic Changes in the Middle West, Development of Chicago as a Grain Market, Rise and Growth of Warehousing in Chicago, Attempts of Board of Trade to Regulate Delivery of Grain, Attempts of State to Regulate Delivery of Grain, The Constitutional Convention of 1869 and Its Article XIII on Public Elevators, The Railroad and Warehouse Commission, The Granger Movement, Shifts in Grain Areas, Development of Other Markets, Mixing Grain and Future Trading, Chicago as a Cash Grain Market Since 1900, World Competition in Wheat, the U. S. Grain Standards Act, Rise of Buffalo's Milling Industry, the To-Arrive Rule, Failure of McReynolds & Co., the Car Lot Delivery Rule, the Grain Marketing Co. Scandal, Rye Screening Scandal, Warehousing and Rules of the Board of Trade, Board of Trade and Monopoly Control. The author finds the marketing situation in the Chicago district to be demoralized, that the public space is operated by those who are admittedly dealers in grain, that the uncertain availability of public storage space will no doubt tend to weaken the Chicago market and strengthen the future market of Winnipeg, that the preservation of future trading is an economic necessity for the protection of the farmer and consumer. As a result of his thorow research into every angle of the warehousing question the author has gathered into this one volume of 330 pages and appendix a mass of data so well digested as to make the book indispensable to legislative com'tes, state warehouse commissions, officials of the exchanges and students of grain marketing, as a work of reference. By Benjamin F. Goldstein.

A. B., LL. B., of the Chicago Bar. The Mac-Millan Company, New York.

Grading of New Wheat in Canada.

On Sept. 1 the wheat inspected in the Western Division of Canada amounted to 119 cars, of which 55.4 per cent was of contract grade. A year ago on the corresponding date the inspected receipts were 65 cars of wheat, of which only 32.3 per cent was of contract grade, indicating the poor quality of the crop of 1927.

Receipts of wheat increased greatly during the month of September until on Oct. 1 3,416 cars were inspected, in one day, against 1,782 a year ago on the corresponding date. Of these increased receipts 55.5 per cent graded contract, against 47.5 per cent a year ago.

One day in October last year the percentage of wheat in the contract grades was as low as 25. The lowest in October this year was 46.4 per cent on Oct. 12, and the highest 55.7 per cent on Oct. 11.

The most striking difference in the grading this year and last is the small amount now grading "no grade." Oct. 1, 1927, 568 cars were graded "no grade," while this year on Oct. 1 only 28 cars were so described. On Oct. 3, 1927, 968 cars were "no grade," this year on Oct. 3 only 34 cars.

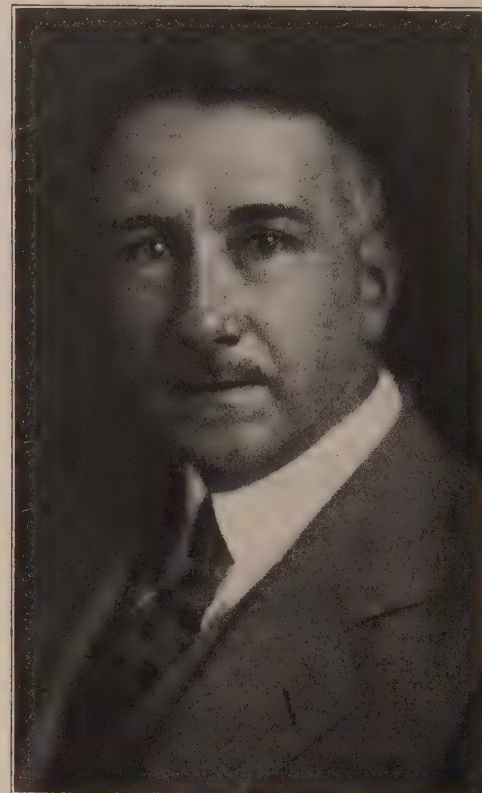
On Oct. 11 20 cars graded "no grade," against 642 cars of "no grade" a year ago. "No grade" however, does not mean the same as it does in the States. In Canada "no grade" is tough wheat, and some so graded is actually No. 1, No. 2, No. 3 Northern.

The percentage of No. 1 Northern this year is smaller than a year ago, the predominant grade this year being No. 3, with each of the No. 4, No. 5 and No. 6 grades exceeding the number of cars of No. 2 Northern inspected. On Thursday, Oct. 18, No. 6 wheat inspected amounted to 487 cars, No. 5, 415 cars; No. 4, 413 cars; No. 3 Northern, 359 cars, No. 2 Northern 179 cars, and No. 1 Northern 13 cars.

Responding to the commercial axiom that the more there is of anything the cheaper it is, there is a spread of 43 cents in Winnipeg between No. 1 Northern and No. 6 wheat. With wheat selling around \$1.20 per bushel a spread of 40 cents represents 33 per cent of the price, showing the extraordinary discount. So large a discount may not be warranted, however, since the No. 5 and No. 6 wheat is said to be of good baking quality on this year's crop. The frost that put the wheat in the lower grades came after the wheat was almost mature and only slightly affected its intrinsic value.

New President of Minneapolis Exchange.

W. J. Russell, who served last year as first vice president of the Minneapolis Chamber of Commerce, and who has served as a director, has now been honored by election to the office of president of the organization.



W. J. Russell, Minneapolis, Minn.,
Pres. Chamber of Commerce.

Mr. Russell is well informed on the grain and milling business due to his long connection with the grain commission firm of Gregory, Jennison & Co., dating back to 1898 when he left Vermont, the state from which hails our other president, Coolidge.

At the present time Mr. Russell is vice pres. of his firm. He has also been connected since their start with the B. B. Sheffield group of flour mills, now consolidated and known as the Commander-Larabee Corporation.

Daily Closing Prices.

The daily closing prices for wheat, corn, oats, rye and barley for December delivery at the following markets for the past two weeks have been as follows:

	Oct. 10.	Oct. 11.	Oct. 12.	Oct. 13.	Oct. 15.	Oct. 16.	Oct. 17.	Oct. 18.	Oct. 19.	Oct. 20.	Oct. 22.	Oct. 23.	Oct. 24.
WHEAT.													
Chicago	.116½	.116%	*	.115%	.115¾	.116½	.115¼	.115¼	.114¼	.112⅞	.112¾	.113¾	.112%
Kansas City	.110¾	.111	*	.110¾	.109⅞	.110½	.110	.109½	.109⅞	.107%	.106%	.108%	.107
St. Louis	.115¾	.116½	*	.115¾	.115¼	.116¼	.115½	.115	.114¼	.112½	.112	.113½	.112½
Minneapolis	.112½	.113	.112½	.112¼	.111½	.112%	.111½	.111	.110%	.109¼	.108⅝	.109%	.109
Duluth (durum)	.101	.102¼	.101¼	.101¼	.101¼	.102%	.101½	.101	.101	.100%	.100%	.101¾	.100
Winnipeg	.117%	.118%	.117%	.117%	.117%	.119½	.118¼	.117¾	.117%	.116%	.116%	.117¼	.116½
Milwaukee	.116%	.116%	*	.115¾	.115%	.116½	.115%	.115¼	.114¾	.112⅞	.112¾	.113%	.112%
CORN.													
Chicago	.80	.80%	*	.79¼	.79%	.80	.80¾	.81¼	.82	.81¼	.81%	.81½	.80¼
Kansas City	.73%	.73%	*	.72½	.72%	.73%	.74½	.75	.75%	.74¾	.75	.74¾	.73½
St. Louis	.80	.80%	*	.79¾	.79%	.70¼	.80%	.81¾	.82¾	.81¼	.82	.81%	.80%
Milwaukee	.80	.80½	*	.79¼	.79%	.80½	.80%	.81¼	.82½	.81%	.82	.81½	.80½
OATS.													
Chicago	.42%	.42%	*	.42½	.42¼	.42¾	.43%	.43%	.43¼	.42⅞	.43	.43%	.43
Minneapolis	.39¼	.39¼	.39½	.39	.38¾	.39½	.39%	.39%	.39½	.39¾	.39¾	.39¾	.39%
Winnipeg	.51½	.52%	.52½	.51	.50¼	.51	.50⅞	.51¼	.50¾	.49½	.50	.50¼	.50
Milwaukee	.42¾	.42%	*	.42½	.42¼	.42¾	.43¼	.43¾	.43¼	.43	.42⅞	.43¼	.43¾
RYE.													
Chicago	.103%	.103%	*	.102	.101½	.101%	.101%	.101¼	.100%	.100½	.100%	.101%	.99%
Minneapolis	.98	.98½	.98	.97½	.98¾	.96¾	.96%	.95½	.95%	.95%	.95½	.96½	.95¾
Duluth	.98¼	.98½	.97	.97¼	.96%	.96%	.96%	.96%	.95¾	.95½	.95%	.96½	.95¾
Winnipeg	.101%	.103	.102½	.100½	.100%	.101	.101¼	.101½	.99¼	.99	.99½	.100%	.99%
BARLEY.													
Minneapolis	.62½	.62¼	.62½	.62	.62	.62	.61½	.61½	.61¾	.61¼	.61%	.61%	.61%
Winnipeg	.68%	.69	.68%	.68½	.68	.68%	.67¾	.67½	.67¼	.66%	.66%	.66½	.66%
*Columbus Day.													

Crop Reports

Reports on the acreage, condition and yield of grain and field seeds, as well as on the movement to country markets, are always welcome.

Larned, Kan., Oct. 12.—Wheat is all drilled. We will have a large corn crop in this territory. —Key Milling Co.

Evansville, Ind., Oct. 15.—Clover hulling in southern Indiana has been about completed. The yield was not large, but the quality of the seed this year is good.—C.

Mt. Vernon, Ind., Oct. 19.—The crop of pop corn in Posey county and several other counties in this part of the state is large this year and the quality of the grain is reported good.—C.

Logansport, Ind., Oct. 15.—We have a fair crop of corn but it carries too much moisture to handle. Oats are good but not many are moving.—C. Q. Palmer, The Logansport Elevator Co.

Springfield, Ill., Oct. 17.—Corn is drying nicely and there has been some husking. It is a fine crop. Winter wheat is growing well but there is still some to be sown.—Clarence J. Root, meteorologist.

Clutier, Ia., Oct. 23.—The corn crop looks like 45 bus. to the acre and will go No. 4 by December. Not many are selling for December delivery as we have too many hogs. At present we are suffering a lot of rain.—M. E. Mundt.

Rockford, Neb., Oct. 16.—We will have a nice corn crop to handle again this winter so far as quantity is concerned, but about 40% of the crop is on the ground and if we should have much wet weather quality will be severely damaged. New sown wheat looks good and the acreage is about average.—A. L. Burroughs.

Evansville, Ind., Oct. 15.—Farmers are in the midst of their corn gathering. The yield is not as good as was anticipated early in the season. The drouth killed much of the corn. New corn is bringing 60c. a bu. on the local market. Chicken feed is in strong demand. More southern Indiana farmers are raising chickens from year to year.—C.

Kansas City, Mo., Oct. 20.—The first three months of the present crop year shows the lowest average protein content of wheat ever recorded by the Kansas State Grain Inspection Department since its protein laboratory has been established. It was only 11.87% on 28,000 cars received. Last year the average was 12.25% for the same period.

Madison, Wis., Oct. 13.—Corn is a good crop in Wisconsin this year, forecasting a production of nearly 87,000,000 bus. compared with 68,000,000 bus. a year ago. This is the best since 1925 when 101,000,000 bus. were produced. The acreage of clover seed is set rather low and the condition is reported at only 75% compared with 82% last year.—Walter H. Ebling, Agricultural Statistician.

Chicago, Ill., Oct. 19.—Quality and yield of corn in Illinois is unusually uniform over the entire state. Indicated yields are for 45 to 50 bus. per acre. In Iowa the best quality and yields are in Cedar Rapids, Storm Lake and Fort Dodge territories. Corn in Minnesota and the Dakotas is better in both yield and quality than last year. Indiana yields are about one-third better than in 1927. Kansas husking returns are disappointing, as was also Oklahoma.—Kenney Pierce, James E. Bennett & Co.

Lansing, Mich., Oct. 10.—Present condition of corn is 77% which indicates a yield totaling 10,000,000 bus. more than last year. The oats crop yielded 36.8 bus. per acre, totaling 9,000,000 bus. better than the 10 year average. The barley yield of 30 bus. per acre was only equaled in 1918. The bean crop ranges from poor to excellent with good yields and fine quality in south central counties. About one-half the State's acreage has been severely damaged by rains thruout the season. Indications are for a total production of 5,100,000 bus. or slightly more than last year.—Verne H. Church, agricultural statistician.

Winnipeg, Man., Oct. 8.—Figures compiled from returns during the past two weeks from 95% of country points in the three Prairie Provinces of Manitoba, Saskatchewan and Alberta, showed in the aggregate, 23,557,900 acres of wheat at 23.7 bus. per acre should give a yield of 558,459,600 bus.; at 38.4 bus. per acre oats should yield a total of 318,714,800 bus.; barley should yield 91,375,800 bus.; rye, 11,809,100 bus.; flax, 5,079,200 bus. Final summary on the 1927-28 season showed total inspections of 398,940,000 bus., allowance for seed, feed and country mills, 50,000,000 bus. or a total of 448,940,000 bus.—J. G. Fraser, sec'y-treas. Northwest Grain Dealers Ass'n.

Springfield, Ill., Oct. 12.—The crop situation for the State as a whole is the best in recent years and much better than last year. September weather was dry and cool. Winter wheat seeding is largely completed. Recent rains were beneficial where the crop got off to an uneven start. Corn is drying favorably and the Illinois corn prospect is reported at 85% of normal, against 60% a year ago and a 10-year average of 78%. Prospective yield is placed at 377,510,000 bus. compared with 254,070,000 last year and the 5-year average of 320,656,000. Quality outlook is favorable, tho there will be some chaffy corn, especially in the southern part of the state.—A. J. Surratt, Agricultural Statistician.

Topeka, Kan., Oct. 10.—Kansas corn production for 1928 is estimated at a probable 181,373,000 bus., based on the October condition of 82%, indicating probable yield of about 27 bus. per acre on the estimated 6,723,000 acres planted. Last year's crop was 176,910,000 bus. and the 5-year average, 104,466,000. Corn outlook declined slightly in the western half of the state during September, but improved in the eastern counties. Practically the entire crop is safe from frost. Grain sorghums rate the same as a month ago, 84% in condition. This forecasts production of 30,538,000 bus. of kafir, milo and feterita. Last year's crop was 32,487,000 bus. Most of the crop is thought safe from frost.—Division of Statistics, Kansas State Board of Agriculture.

Jefferson City, Mo., Oct. 12.—Missouri corn is 84% normal, indicating 30.24 bus. per acre on 6,489,000 acres, totaling 196,227,000 bus., compared to 172,636,000 bus. in 1927. This is a decrease of 1% under last month's estimate. Frost on Sept. 24 and 26 did no damage, but hastened the maturity of the crop. Local windstorms blew down some corn in northern counties. Conditions have been favorable to wheat seeding in the north half of the state, but too dry for seed-bed preparation in most parts of the southern half. Spring wheat yielded 13 bus. per acre, barley 22. Flax will probably yield 8 bus. Condition of alfalfa seed at harvest was 84%; red and alsike clover, 72%; timothy, 80%.—Jewell Mayes, Missouri State Board of Agriculture.

Helena, Mont., Oct. 14.—Preliminary estimate of the Montana wheat crop is placed at 75,505,000 bus., which is below the record production of 1927 when 80,208,000 bus. were raised, tho much higher than the 5-year average of 46,370,000. Of this estimate spring wheat has produced 63,355,000 bus. and winter wheat, 12,150,000 bus. Oats production is placed at 19,944,000 bus. against 23,840,000 last year and a 5-year average of 17,966,000. Barley production is 5,970,000 bus. against the 1927 crop of 6,435,000 and the 5-year average of 2,782,000. Corn production is forecast at 5,179,000 bus., compared with the 1927 crop of 7,168,000 and the 5-year average of 6,625,000 bus. Corn acreage was considerably reduced this year. Flaxseed is forecast at 2,325,000 against 2,438,000 last year; beans at 572,000 against 800,000; alfalfa seed at 41,000 against 20,000.—Jay G. Diamond and Richard C. Ross, agricultural statisticians.

The Scarcity of Soft Red Wheat.

The soft wheat milling industry faces a crisis in the impending shortage of red wheat. It may not prove as bad as it has been pictured, but any one familiar with the situation which confronts us is met by either a blind optimism or a terror-stricken pessimism.

Our competitors are viewing the situation not without glee. They recall how a previous failure permitted them to seize an important part of the soft wheat territory, and they are making plans to deal a still heavier blow. Let us neither live in a fool's paradise, nor ape the bull in the china shop. Let us coolly, calmly and collectively face the issue and find a solution.—Soft Wheat Millers Ass'n Bulletin.

Buckwheat Crop Reports.

Indiana, Pa., Oct. 16.—Our buckwheat acreage is small and the crop is poor. High prices must prevail.—Griffith Ellis.

Wysox, Pa., Oct. 16.—Buckwheat acreage is one-third of normal; yield is one-half of normal. Quality is good.—Wysox Produce Co.

Ravenna, O., Oct. 16.—There is a very light crop of buckwheat, probably not more than half a crop, but the quality is good after cleaning.—Mayhew Elevator Co.

Kalkaska, Mich., Oct. 15.—Buckwheat is a poor crop here, not more than half what it should be. The acreage is about the same as last year. We will ship very little.—W. K. Phinney.

East Randolph, N. Y., Oct. 15.—The buckwheat crop is fair in this section. Acreage is normal and the yield is about 20 bus. to the acre. All we have seen has been of good quality.—C. L. Glover.

Plainfield, Wis., Oct. 15.—Buckwheat yields will be light, probably not more than 5 bus. of good grain to the acre. While the straw was heavy, the blossoms were blighted from some cause.—T. H. Cochrane Co.

Voorheesville, N. Y., Oct. 13.—The buckwheat acreage in our section is only 50% of normal. So is the yield. Accordingly we have only about 60% of a crop compared with last year.—O. B. Vunck, O. B. Vunck & Co., Inc.

Portage, Wis., Oct. 15.—The buckwheat crop will be short in our territory this year, due to the reduced acreage. Both quality and yield are good, but our surplus over home demands, will be very small.—T. H. Cochrane Co.

Waverly, N. Y., Oct. 15.—Our buckwheat acreage is about the same as it has been for the past two to five years. The yield is from 65 to 75% of normal. Quality is good and the grain is dry.—Tioga-Empire Feed Mills, Inc.

Cortland, O., Oct. 15.—Buckwheat crop in this section is not over 10% of a crop on account of wet weather in June which prevented farmers getting on their land. What was sown has come thru in good shape.—The Richards & Evans Co.

Conneaut, O., Oct. 16.—Our buckwheat crop is about 50% of normal on account of the small acreage which was caused by wet weather in July when the crop was being sown. The yield per acre is about normal.—Conneaut Grain & Feed Co.

Gov't Report on Buckwheat and Grain Sorghums.

Washington, Oct. 10.—The U. S. Dept. of Agriculture makes the following estimate and forecast:

		BUCKWHEAT.			
State.	Condition 10-yr. aver.	Production		1928	
		Oct. 1. 1927.	Aver. 1922-1926.	1927. forecast	1928
	Pct.	Pct.	1,000 bus.	1,000 bus.	1,000 bus.
Me.	88	92	293	322	298
Vt.	86	81	69	52	40
N. Y.	82	75	4,246	4,473	4,264
N. J.	81	78	117	21	19
Pa.	83	76	4,352	4,935	4,486
Ohio	84	79	472	588	649
Ind.	82	76	200	255	228
Ill.	83	77	79	97	83
Mich.	77	77	760	689	712
Wis.	81	82	372	382	400
Minn.	80	73	869	1,764	1,456
Iowa	87	85	83	195	184
Mo.	81	70	14	20	12
N. Dak.	75	90	160	160	160
S. Dak.	77	73	126	279	210
Nebr.	82	60	15	15	11
Del.	79	67	85	37	29
Md.	81	73	168	176	152
Va.	83	78	317	294	262
W. Va.	85	78	635	580	768
N. Car.	82	78	176	200	187
Ky.	80	80	126	144	141
Tenn.	81	77	53	51	53
U. S.	82.2	76.2	13,711	16,029	14,804

		GRAIN SORGHUMS.			
State.	Condition 10-yr. aver.	Production		1928	
		Oct. 1. 1927.	Aver. 1922-1926.	1927. forecast	1928
	Pct.	Pct.	1,000 bus.	1,000 bus.	1,000 bus.
Me.	84	80	1,367	2,712	1,980
Nebr.	85	76	402	705	393
Kan.	76	84	23,584	32,487	30,537
Okla.	72	76	25,028	34,880	32,069
Texas	79	72	53,453	55,734	48,258
Colo.	78	75	2,985	2,840	2,838
N. M.	77	75	3,545	2,394	3,243
Ariz.	88	90	1,244	1,800	1,458
Calif.	89	86	3,448	4,056	4,180
U. S.	77.0	76.6	115,055	137,608	124,956

Van Etten, N. Y., Oct. 22.—We would estimate the buckwheat crop at about 75% of normal. The farmers have had wonderful weather to harvest their crop and the grain is being marketed in fine condition.—The Banfield Co.

Elkins, W. Va., Oct. 16.—The buckwheat crop in this section of West Virginia is around 90% of a full crop. It is well matured and practically all of it has been harvested. Threshing reports are that the out-turn is as good as expected.—The Darden Co.

Albany, N. Y., Oct. 15.—We have a very light crop of buckwheat in our section. Owing to the late spring a smaller acreage was planted than we have had in several years. Recent frosts did some damage. Threshing should be finished this week.—Ackerman Bros., Inc.

Yatesboro, Pa., Oct. 17.—The buckwheat acreage this season was about 10% more than last year, but the yield is not more than half what it was per acre last year. Quality is very good. Harvest weather was dry and the crop was harvested in the very best shape.—W. P. Lauster, Yatesboro Flour & Feed Co.

Tyrone, Pa., Oct. 16.—Only a limited amount of buckwheat is grown here. This year some abandoned wheat fields were sown to it and we think the acreage is at least 50% greater than usual. Yield and quality is very good so far as we can judge from reports we have received. The small amount so far delivered has proven excellent.—Tyrone Milling Co.

Lansing, Mich., Oct. 12.—Moisture conditions were generally favorable during the season for buckwheat, but the crop failed to fill well in some sections. The condition of 77% is the same as the 10-year average and 12% better than on the same date last year. Estimated production is 712,000 bus. compared with 689,000 in 1927.—Verne H. Church, agricultural statistician.

Towanda, Pa., Oct. 15.—On account of extremely wet weather during May and June it was impossible to plow and prepare ground for buckwheat, so the acreage is the shortest we have ever seen in this section, not more than one-third of normal. Since Bradford county is the largest buckwheat producing county in the United States it will hit us pretty hard.—G. V. Dayton, Dayton Milling Co.

Cuba, N. Y., Oct. 14.—It is pretty hard to tell what the buckwheat crop will be, but, in our opinion, it will not exceed 75% of an average crop. Quality as a rule is fine, but farmers report yields of only 8 to 20 bus. per acre and there seems to be more reports of small yields than large. Hot weather at the time buckwheat was filling seems to have done a lot of damage.—Phelps & Sibley Co.

Mt. Pleasant, Mich., Oct. 17.—The State Department of Agriculture gives the buckwheat crop in Michigan as about the same as last year. However, last year northern Michigan had practically no buckwheat at all. Buckwheat had the appearance of being a good yield, but it really turned out nothing. This year it is just the reverse. Acreage, yield, and quality are all very good.—E. O. Harris, Harris Milling Co.

Watertown, S. D.—The new flax mill of Gordon Bros. Mfg. Co. is nearly completed. Machinery is now being installed and the plant is expected to be in operation within a short time.

Wheat Crop Increasing.

There is an old saying that a big crop always gets bigger and a small crop smaller. So far as quantities this year are concerned, it would seem that the old saying applies. Improvement took place in the European wheat crop with the result that each succeeding estimate in most countries has tended to be higher than the last. The same thing is true in the United States. The position in Canada was complicated by the August frosts, the full effects of which no one could undertake to measure until threshing and inspection returns were available; but even in Canada there has been a tendency toward an increase in competent estimates. Provided present prospects in the Southern Hemisphere are maintained, it is certain this year that the world will be abundantly supplied with wheat, and that consumption must reach a higher level than for many years if stocks are to be disposed of. The world's population is larger than a year ago and general economic conditions are somewhat better.—Grain Trade News.

Gov't Report on Flax and Broomcorn.

Washington, D. C., Oct. 10.—The U. S. Dept. of Agriculture makes the following estimates and forecast:

State.	Condition		Pro-		1928, fore-	
	10-yr.	1928.	duction.	condition	cast from	
	Oct. 1.		1927.	Oct. 1.	1927.	Oct. 1.
	Avr.		1,000	1,000	bus.	bus.
Wis.	85	84	132	94		
Minn.	85	73	7,343	6,167		
Iowa	88	87	247	223		
Mo.	77	80	46	56		
N. Dak.	70	78	10,184	8,720		
S. Dak.	82	69	5,940	4,641		
Nebr.	84	80	70	66		
Kans.	76	80	170	180		
Mont.	59	81	2,438	2,325		
U. S.	72.0	75.0	26,570	22,472		

BROOMCORN.		Yield per acre.	
10-yr.	1928.	Tons.	Tons.
Avr.			
Ill.	538	430	5,320
Mo.	435	430	600
Kans.	328	340	5,062
Okla.	271	325	19,544
Tex.	367	364	1,320
Colo.	298	350	5,362
N. Mex.	323	270	2,420
U. S.	311.8	338.4	39,628

Grass Seeds.

State.	Condition		October 1.		CLOVER		ALFALFA		TIMOTHY	
	10-yr.	1928.	1927.	1928.	SEED.	SEED.	SEED.	SEED.	SEED.	SEED.
	Avr.	Pct.	Pct.	Pct.						
N. Y.	79	82	..	..	..	..	..	..	..	..
Pa.	70	76	..	..	..	..	..	..	..	..
Ohio	66	60	..	..	..	..	..	..	..	..
Ind.	63	67	..	..	..	..	..	..	..	..
Ill.	70	69	..	..	..	..	..	..	..	..
Mich.	75	72	..	..	..	..	..	..	..	..
Wis.	78	75	..	..	..	..	..	..	..	..
Minn.	76	77	..	..	..	..	..	..	..	..
Iowa	78	75	..	..	..	..	..	..	..	..
Mo.	72	72	..	..	..	..	..	..	..	..
N. Dak.	77	85	68	58	83	80	..	..	..	..
S. Dak.	83	70	59	60	84	70	..	..	..	..
Nebr.	78	88	72	80	..	..	..	..	..	..
Kans.	70	70	55	65	82	76	..	..	..	..
Del.	80	80	..	..	..	..	..	..	..	..
Md.	70	70	..	..	..	..	..	..	..	..
Va.	75	67	..	..	..	..	..	..	..	..
W. Va.	80	80	..	..	..	..	..	..	..	..
Ky.	79	74	..	..	..	..	..	..	..	..
Tenn.	73	70	..	..	..	..	..	..	..	..
Okla.	..	60	..	..	..	..	..	..	..	..
Tex.	..	60	..	..	..	..	..	..	..	..
Mont.	77	90	72	69	..	..	..	..	..	..
Idaho	86	83	90	57	..	..	..	..	..	..
Wyo.	91	66	76	79	..	..	..	..	..	..
Colo.	89	..	67	83	..	..	..	..	..	..
N. Mex.	..	..	87	70	..	..	..	..	..	..
Ariz.	..	..	80	91	..	..	..	..	..	..
Utah	90	..	58	44	..	..	..	..	..	..
Wash.	87	85	..	..	..	..	..	..	..	..
Oreg.	71	81	..	85	..	..	..	..	..	..
Calif.	..	..	81	75	..	..	..	..	..	..
U. S.	73.1	71.1	66.0	63.3	89.4	80.3	..	..	..	..

The Quality of Canadian Wheat.

It is unfortunate that the press dispatches from Ottawa summarize the government's report on the weight of this year's grains as indicating somewhat lower quality than last year. This particular report deals only with the weight per measured bushel of the different grains as compared with the 10-year average. Weight is, of course, an important factor, particularly as indicating the proportion of flour that can be obtained from a bushel of wheat, for example. Wheat is not sold by the measured bushel but by units of 60 pounds, whether the latter are more or less than measured bushels, but the larger the volume to be put through the mill in relation to flour content the higher the cost, and, therefore, the lower the milling value of the wheat. As a matter of fact, however, the government reports that the crops of Saskatchewan and Manitoba both have better weight than last year. It is only the Alberta crop that is below last year's exceptionally high standard. It is questionable, therefore, whether on the average the wheat in Western Canada shows any inferiority in weight this year. Moreover, weight is only one element to be considered; the percentage of protein and the quality of the gluten are of prime importance. This year the protein content is distinctly higher than last year, at least in Saskatchewan and Manitoba, but no reports on tests of gluten quality have been made public. On the whole, there is every reason to believe that this year's western crop is better on the average than that of last year.—Grain Trade News.

Grain Movement

Reports on the movement of grain from farm to country elevator and movement from interior points are always welcome.

Larned, Kan., Oct. 12.—About 50% of the last wheat crop is still in the farmers' hands.—Key Milling Co.

Logansport, Ind., Oct. 15.—The movement of grain is very slow at present.—C. Q. Palmer, The Logansport Elevator Co.

Wichita, Kan., Oct. 13.—Wichita's first car of new corn arrived today from Udall, Kan. It graded No. 4 yellow, 54.4 lbs, 5.4% wheat.

Hope, Ind., Oct. 23.—New corn is just commencing to move. The crop is fair in both yield and quality.—C. L. Stafford, Stafford Grain Co.

Winnebago, Ill., Oct. 24.—It looks as though there will be some grain to ship from here this year.—D. G. Corbin, mgr., Sanford & Zaraman Lbr. Co.

Vancouver, B. C.—The first full cargo of grain to leave this port this year is being shipped by Louis Dreyfus & Co. on the SS. Baychimo.

Indianola, Neb., Oct. 24.—There is a little new shelled corn moving here. Our first car being shipped out on Oct. 23. The quality is very good for this time of year.—Smith Reiter Grain Co.

Omaha, Neb., Oct. 13.—This market has received a car of new corn from Northwest Nebraska grading No. 1 yellow, 14% moisture, 57½ lbs. It is the first time in the history of this market that corn has graded so high this early in the season.

Superior, Wis., Oct. 10.—A. D. Thomson & Co. believe they established a record for loading three cargoes with spring wheat for export from their Elevator "S" and annex on Oct. 8 and 9. SS W. P. Snider, Jr., took on 480,000 bus., SS J. J. Barlum took 358,000 SS Edwin L. Ford took 456,000.

St. Joseph, Mo., Oct. 24.—Old corn is pretty well cleaned out of the country and we anticipate a good demand for the early movement of the new crop. New corn has started to moving. The quality is excellent, but husking reports indicate a considerably lower yield than was anticipated. The condition of wheat arriving on the market continues very poor.—The Geiger Grain Co.

Lincoln, Neb.—The Nebraska Bankers Ass'n tells of the case of C. E. Nichols, Keith county farmer, who raised 65,000 bus. of wheat this year and is storing 60% of it on his farm. He has had his barn converted into three sections to permit storing 18,000 bus. and has built a temporary bin outside for 22,000 bus. more. His wheat, grown on 800 acres of summer fallowed land, averaged 50 bus. to the acre, and he had other wheat on share.

Grain Movement in September.

In addition to the 23 markets tabulated on page 449 reports of receipts and shipments during the month of September were received from the following markets too late for publication in Oct. 10 number.

	Receipts		Shipments	
	1928	1927	1928	1927
Fort William	39,131,558	8,580,287	24,693,824	14,016,208
Montreal	22,202,677	15,478,815	26,531,668	18,254,540
Peoria	203,800	146,200	224,400	164,400
CORN				
Fort William	7,824	..	1,465	..
Montreal	72,952	33,736	5,608	10,526
Peoria	2,158,750	2,322,350	1,020,900	1,259,900
OATS				
Fort William	472,526	74,509	145,992	217,721
Montreal	2,728,195	809,786	2,401,869	814,273
Peoria	610,200	487,800	303,200	396,000
RYE				
Fort William	2,031,703	2,437,879	915,342	1,508,222
Montreal	872,008	4,913,042	1,709,398	3,482,288
Peoria	7,200	2,400	3,600	2,400
BARLEY				
Fort William	8,513,303	1,954,967	5,531,954	963,071
Montreal	8,154,063	1,526,494	4,737,483	1,846,412
Peoria	211,400	145,600	99,200	36,400
FLAXSEED				
Fort William	47,117	14,428	54,568	241,629
Montreal	111,494	114,699	..	..

Chicago Board Demands Free Time Start Earlier in the Day.

The Chicago Board of Trade, by J. S. Brown, manager of the Transportation Department, and H. J. Campbell, attorney, has filed complaint with the Interstate Commerce Commission against the grain carrying railroads demanding that the free time for the disposition of grain cars begin earlier in the day during the hours that the Exchange is open for trading to afford grain receivers a greater opportunity to make disposition.

The complaint reads in part as follows:

That B. T. Jones, as agent for the defendants herein, publishes Freight Tariff I. C. C. No. 2003, naming the National Car Demurrage Rules and Charges, in which there is contained as Exception No. 1 to Rule 2, Section B, paragraph 3, the following:

"At Chicago, Ill.: On all grain held in transit, subject to federal and state inspection, and on seeds (field or grass), grain screenings or seed screenings, held in transit, subject to recognized official inspection, free time for disposition will expire at 6:00 p. m. of the day that inspection is reported by the inspection authorities on or before 11:00 a. m. No additional free time will be allowed for reinspection or appeal. The bulletin form of notice may be used in lieu of written notice of arrival to the consignee."

That after the expiration of the free time for disposition, as provided for in the foregoing, demurrage charges are assessed, in accordance with Rule 7 of the aforesaid tariff, I. C. C. No. 2003, amounting to \$2 per car per day, or fraction of a day, for each of the first four days, and \$5 per car per day, or fraction of a day, for each succeeding day.

THAT THE DEFENDANTS herein publish rules and charges applying on grain, seeds (field or grass), carloads on track for inspection and disposition orders incident thereto at billed destination as follows:

"Grain, seeds (field or grass), carloads, will be placed on hold tracks of this carrier and notice of the location of the hold tracks on which the cars are placed sent to the consignee, or posted on the bulletin board where such practice is in vogue for the purpose of inspection (see Note 1), and held on such tracks or other tracks for disposition orders, at either the billed destination or a point directly intermediate thereto. Upon cars so placed and held, the following charges will apply:

(A) Grain and Seeds.—When disposition order is received prior to the expiration of the free time provided for in the National Car Demurrage Rules as published in I. C. C. No. 2003, issued by B. T. Jones, Agent, supplements thereto or reissues thereof, no charge. When disposition order is given after the expiration of the free time here prescribed, charges per car shown below will apply:

	On interstate traffic.	On intrastate traffic.
When service is performed at:		
Points in Illinois.....	\$2.70	\$2.70
Points in Iowa and Wisconsin shown in Rule No. 3, Section No. 1.....	2.70	2.25
All other points.....	2.25	2.25

Note 1.—The inspection as referred to is: (A) On Grain and Seeds, that made under National, State or Board of Trade requirements by competent and impartial authority independent of both vendor and vendee."

Authority: Chicago & North Western Railway Co., I. C. C. No. 9845.

Under the Grain Standards Act it is provided that no grain shall be sold by grade unless it shall have been inspected and graded by an inspector licensed under the Act. That under said Act a right of appeal is given from the original inspection where a dispute arises as to whether the grade, as determined by such inspection, in fact conforms to the standards of the specified grade; and in cases of appeal the Secretary of Agriculture is authorized to cause such investigation to be made and such tests to be applied as he may deem necessary to determine the true grade, provided appeal shall be taken before the grain leaves the place where the inspection appealed from was made and before the identity of the grain has been lost.

Complainant alleges that the free time allowed under the aforesaid demurrage rule for disposition of grain, seeds, grain screenings and seed screenings after inspection begins at an unsuitable hour for the necessary transactions between seller and buyer incident to the sale of said commodities on the exchange floor of the complainant herein. The selling and buying of these commodities begins at 9:30 a. m. and ceases at 1:15 p. m., except on Saturdays, when the closing hour for trading is 12 o'clock noon.

Complainant alleges that it is unreasonable and in violation of Section 1 of the interstate commerce act for the defendants herein to re-

quire that the free time shall begin at an hour different from the opening trading hour, and that a reasonable rule for disposition after inspection (except as hereinafter provided for on grain and seeds reinspected or appealed) would be that free time for disposition will expire at 4:30 p. m. of the day that inspection is reported by the inspection authorities on or before 9:30 a. m. Chicago time.

Free Time for Re-inspection or Appeal.—Complainant alleges that the present rule of the defendants which allows no additional free time for re-inspection or appeal on grain and seeds is unreasonable, unjustly discriminatory and unduly prejudicial in violation of Sections 1, 2 and 3 of the interstate commerce act, and that an additional 24 hours' free time for the purpose of reinspection or appeal, in accordance with the provisions of United States Grain Standards Act is necessary in order to determine the true condition, quality and grade of grain and seeds.

Charge of \$2.70 is Discriminatory.—Complainant alleges that the charge of \$2.70 per car imposed by defendants, as provided in their tariffs referred to in Paragraph V hereof, when disposition order is given after the expiration of the free time for inspection is unjustly discriminatory and unduly prejudicial to complainant in violation of Sections 2 and 3 of the interstate commerce act, and that other places and grain dealers, millers, maltsters and feed manufacturers located thereat, where the charge is \$2.25 per car, are unduly preferred, and that some of the preferred places referred to where the charge for disposition is \$2.25 per car are Minneapolis, St. Paul and Duluth, Minn.; Superior, Wis.; Sioux City, Council Bluffs, Cedar Rapids and Des Moines, Iowa; Omaha, Neb.; Kansas City and St. Joseph, Mo.; Atchison, Leavenworth, Kansas City and Wichita, Kan.

Complainant further alleges that any charge whatever for furnishing disposition order on grain and seeds after the expiration of the free time provided for in the aforesaid demurrage tariff, is unreasonable and in violation of Section 1 of the interstate commerce act.

That by reason of the facts stated in the foregoing paragraphs complainant has been denied the right of sufficient and suitable free time for the proper inspection, reinspection or appeal on grain and seeds in violation of Section 1 of the interstate commerce act, and that complainant has been subjected to the payment of discriminatory and unreasonable charges on cars of grain and seeds for which disposition orders were not furnished prior to the expiration of the free time provided for in the demurrage tariff in violation of Sections 1, 2 and 3 of the interstate commerce act.

WHEREFORE, complainant prays that defendants may be severally required to answer the charges herein; that, after due hearing and investigation, an order be made commanding said defendants, and each of them, to cease and desist from the aforesaid violations of said act, and establish and put in force and apply in future transportation of grain, seeds, grain screenings and seed screenings, in carloads, consigned to and inspected at Chicago, Ill., and other points in the Chicago district hereinbefore described, in lieu of the rules and charges now in force and in effect at Chicago and other points in the Chicago district as hereinbefore described, such other rules and charges as the Commission may deem reasonable and just; and to establish and put in force and maintain in the future at Chicago, Ill., and other points in the Chicago district, as hereinbefore described, rules and charges on grain, seeds, grain screenings and seed screenings, in carloads, shipped from all points in the United States, that will be reasonable and not subject complainant to undue and unreasonable prejudice and disadvantage.

The Commission on Oct. 19 announced acceptance of the complaint, which will be given a docket number, and date will be set for hearing.

A similar complaint alleging the rule governing free time is a violation of the Illinois "Act Concerning Public Utilities" has been filed with the Illinois Commerce Commission and given Docket No. 18657.

It is a well-known fact that between wheat, corn, rye, barley, livestock, and dairy products there is a close price relationship. When one of these things benefit from increased prices, the strong tendency is to carry the benefits along to all of them. Lowering the cost of transportation, as the Great Lakes-St. Lawrence Ship Channel would do, would not increase the world's supply of foods, but would let foods produced in the midcontinental part of North America move out freely when needed and would increase the price on all foodstuffs, whether exported or not, just in proportion as the cost of transportation was lowered.

Diversification and the Grain Dealer.

Graves County, Kentucky, of which Mayfield is the county seat, has been brought from darkness into light by diversified farming. This county which is in the western part of the state was for several decades wedded to tobacco for its very existence. One or more tobacco barns was on every farm and the conditions became very much like those we have in some cotton counties.

The people did not prosper and in years when tobacco prices were low "times were hard." In 1926 a few progressive farmers and the Mayfield Chamber of Commerce decided that something more than complaining of hard times had to be done. Action must be taken, so they employed a good (for once) county farm agent and set about immediately to back him up.

Among the first things done was to create an interest in good dairy cows. This interest has grown until today more than 15,000 pure-bred Jerseys are in the vicinity of Mayfield. During 1919 not one pound of dairy products was shipped from Graves County but during 1926 it is estimated that such products brought into the county more than \$750,000.

The hogs and poultry that are sometimes considered side lines to the dairy industry are now estimated to have a greater value than the tobacco crop of the county. This spring the Pet Milk Company, of St. Louis, has built a condensery at Mayfield and the farmers now have a year round market for whole milk at good prices. Condenseries go where there are good cows and many of them.

Does diversification pay? The figures as given to the press showed bank resources in 1916 at \$150,000 and in 1927 these resources showed the enormous increase to \$6,500,000.

These farmers will never return to the one crop system. Their day of bondage is over.—The Feeder.

The grain business east of a line drawn from Bismarck, North Dakota, to Galveston, Texas, "ain't what it used to be!" Those who have forecasted this changing situation and have prepared for it have profited.

To illustrate: The little town of Grandin, North Dakota, once shipped naught but grain. Two years ago their income from four items, not including grain, was \$141,000. These items were eggs, milk, poultry and cattle.

What does that mean to the country grain elevator operator?

Purely this, that someone is going to profit—or at least make a living—on the handling of these and other commodities to and from the farmers. This condition, however, naturally means a decreased revenue (at the same handling margin) from the handling and shipping out of grain.

On the other side, however, are factors contributing to the advantage of the elevator operator. First, feedstuffs have and will continue to be needed in increasing quantities. Most elevators have the warehouse room for handling this commodity in carload lots. This means a greater profit is to be derived at no additional expense save insurance, and interest (particularly when a credit business is conducted). Further, to those who have not considered the many phases of the opportunity before them, let it be said that the fact that their site on the railroad is secured and side track in is an asset not to be slighted. Greater than all, they are established, have a reputation and a certain amount of good will behind them, their products, and their recommendations.

As to the feed for the chickens that lay the eggs, for the cows that give the milk, and for the cattle raised for the slaughtering house, many farmers can grow some of their feed, some won't grow any, and none can fully provide for their needs. This means there is an outlet for corn, oats, linseed cake and meal, cottonseed cake and meal, cod liver oil, oyster shells, limestone in its various forms, alfalfa meal and cake, hay, bran, grits, shorts, millfeeds, screenings, concentrated vitamins, minerals, proteins, and for a dozen different constituent ingredients to be used by the feeder and mixed according to his formula by the elevator operator. This means attrition and hammer mills, batch mixers, sackers, etc., must become a vital part of the equipment contributing towards the revenue to be derived.

It is uneconomical that other than the elevator operator in a small town should establish himself as merchant for the products, for such

duplication in this instance results in a heavier toll by both, which would encourage home mixing, prompting the county agent to purchase collectively, etc.

District Meeting of Iowa Dealers at Rockwell City.

About 60 dealers attended a district meeting of grain elevator operators conducted at the Bower Hotel, Rockwell City, Ia., on Oct. 18, under the auspices of the Western Grain Dealers Ass'n. The Bower Hotel is operated by Joe Hunt, who was formerly connected with Jas. E. Bennett & Co. at Storm Lake, and he certainly demonstrated that he was not only familiar with the grain business, but is a very capable hotel manager as well. All present appreciated the courtesies he extended.

The meeting discussed crop conditions, prospects for crops from the different territories and the probable damage that will show up in the corn crop on account of the recent rains and severe winds. The consensus of opinion indicated considerable damage had been suffered by the corn crop in Rockwell City territory and that dry winds were needed. D. O. Milligan, sec'y of the Western Grain Dealers Ass'n, presided.

Among the brokers and representatives of terminal markets present were Art Torkelson, L. H. Burleson, and L. D. Chapman, of Lamson Bros. & Co.'s Fort Dodge office; C. E. Lowry and B. H. Wold of James E. Bennett & Co.'s Storm Lake office; C. C. Lyman and C. A. Bulpitt of Fort Dodge; L. A. Douglass, of E. W. Bailey Co., Chicago; E. Carpenter of Cedar Rapids; Frank Bubb of St. Louis, and W. C. Young of Sac City.

Among the country dealers present were Geo. E. Beals, Humboldt; L. H. Beneke, Palmer; R. C. Booth, Laurens; Henry Ditzel, Lytton; E. W. Galbraith, Newell; W. A. Galbraith, Sac City; J. P. Grieve, Webb; Geo. Haul, Rands; F. B. Howard, Auburn; E. A. Howe, Webb; A. Hakes, Manson; T. G. Hanson, Moorland; Edgar Jacobson, Moorland; Geo. Moulton, Fonda; G. F. Nell, Gilmore City; Frank A. Pearce, Sac City; Chas. Skewis, Storm Lake; E. W. Scott, Lake View; John Swartzendenber, Manson; Nick A. Schiver, Truesdale; J. M. Smith, Storm Lake; Geo. Schissel, Varina; A. B. Traeder, Odebolt; E. H. Tiedeman, Fonda; C. D. Vernes, Aurelia; Joe and G. Werimont, Auburn; A. E. Webb, Sac City.

Electrification of Grain Elevators.

By C. M. PARK OF MUTUAL FIRE PREVENTION BUREAU.

The electrification of grain elevators in the northwest is proceeding at a rate which is surprising, even to those intimately connected with the grain trade. Through their agency in Minneapolis alone, the Mill Mutual Insurance Companies have supplied wiring specifications for over 150 new installations of electric power since the first of 1928—practically all of them being in grain elevators. However, in spite of the efforts of the insurance companies, there is an alarming number of installations being made without supervision or inspection of any kind. Some of these installations are good, but most of them are hazardous to both life and property.

Without question, the one most troublesome factor connected with this program of electrification is the so-called "local electrician." He is usually a young man who has established somewhat of a reputation as an electrician in the community through the installation of light wiring in dwellings and stores, and he is willing to install the electric motors in the elevators at a price lower than the bid of a reputable contractor from a near-by city. Many elevator operators are not sufficiently familiar with electric power to appreciate the necessity for employing a man with experience in power installations, and as a result, a great deal of money has been spent for wiring that was altogether inadequate.

A TYPICAL EXAMPLE of what can happen was found recently in South Dakota. A new feed mill was built and equipped with electric power. There are two motors on an attrition mill, and one additional motor to drive elevator legs, a corn crusher, and a cleaner. Evidence of overheated wiring in the main fuse cabinet led to a careful check-up of the entire installation, with the following results.

Wiring throughout was too small to carry even the normal full load rating of the motors, and fuse and switch equipment was less than half the size it should have been. The undersized fuses had all been bridged with double fuse links, and the blades of the main switch were too hot to touch. The wiring around the meter had been overheated to the extent that the insulation was badly damaged. One motor had been installed without any overload protection whatever.

It developed that the plant owner had hired the local electrician to do the work, and had stressed the fact that it was to be done in a first-class manner and with material and equipment large enough to carry the load without danger. The inexperience of the electrician is entirely responsible for the job that resulted.

Now the owner of the plant is faced with the expense of having the entire installation rewired. There will be some salvage from the undersized fuses and switches that are removed, but the original labor cost will be a total loss. It is obvious that the cheap labor employed by this plant owner was anything but cheap in the final analysis.

IN SOME SECTIONS, electrical contractors have sent men out along the routes of proposed new transmission lines, and have made contracts for the installation of motors in the elevators on the line. In these sections, first-class installations are the rule. The electricians are experienced in power work, are familiar with modern installation methods, and are thoroughly acquainted with the National Electric Code and the special regulations of the insurance companies, and they take a great deal of pride in doing work that is above criticism.

ELECTRIC POWER, when properly installed, is about the safest power in common use, but when improperly installed, it may be extremely hazardous both to life and to property. It is essential, therefore, that the installation be made by competent electricians supplied by a reliable firm of electrical contractors who are willing to stand behind their work.

Inspectors for the insurance companies are usually in a position to give sound advice concerning proposed installations, and are often able to recommend reliable electricians who are familiar with elevator power work, and who may be depended on to install the equipment in a manner that will be safe and will meet with the approval of the insurance companies.

Portugal.—A decree issued by the Portuguese government permits importation of seed wheat thru the customs of Lisbon and Oporto at fixed duty rates. Milling companies registered with the Bolsa Agricola have been authorized to import 200,000 tons of foreign wheat before June 30, 1929, importations to be at the rate of 60,000 tons a quarter. Drawback on duties of re-exported milled products will be permitted.

Collapse of Elevator at Cranmer, Man.

The collapse of the United Grain Growers Elevator at Cranmer Siding, Man., resulted in one of the most complete wrecks on record.

The 30,000 bus. of grain in the house supplied the force that crushed heavy timbers and threw the cupola 200 feet across the right of way of the Canadian Pacific. Telegraph and telephone poles were smashed down. The grain and debris covered the tracks 12 feet deep. The parts of the structure were so torn and spread over the landscape that one viewing the ruins shown in the engraving herewith would have difficulty reconstructing the house in his mind as it might have appeared before the crash.

At 6 o'clock on the evening of Friday, Sept. 28, a groaning and creaking was heard, and two cars of grain were loaded out after the building started to settle. The two cars were pushed clear of the house. The creaking continued and at 9 p. m. the rats started to leave the elevator.

The final crash came at 12:30 Saturday morning, when fortunately Geo. Stewart, the buyer, and his assistant were out of the building.

The railway wrecking crew cleared the main line Saturday, and thereafter the workers of the United Grain Growers tried to salvage the 29,000 bus. of wheat and 500 bus. of barley mingled with the broken timbers.

The house had been erected in 1913 and its foundation is believed to have been faulty.



After Groaning and Cracking for Six Hours the U. G. G. Elevator at Cranmer Siding, Man., Collapsed with a Crash.

Ohioans Swarm to Columbus for Super-Session

Columbus was the Mecca of Grain Trade for a day, Oct. 23. Grain dealers literally poured in from all four corners of the great Buckeye state, and from Atlantic seaboard ports, terminal markets and transit points, all the way from New York City and Baltimore to Newport, Ky., Milwaukee, Wis., St. Louis, Mo., Wichita, Kans., and New Orleans, La., for the fall meeting of the Ohio Grain Dealer Ass'n.

The speakers, men with a national reputation, furnished enough stimulus to attract such country-wide attention, and included such outstanding characters as Bennett Chapple, vice-pres. of the American Rolling Mill Co., Middletown, O., an enthusiastic and helpful member of the Ohio Grain Dealers Ass'n and gracious host to the Southwestern Ohio Grain Shippers group meeting held in the home town of "ARMCO" products; Sherman T. Edwards of S. T. Edwards & Co., feed system engineers of Chicago, Ill., and J. R. Pickell of Chicago.

Considering the wealth of stimulating ideas presented it is little wonder that so many grain dealers voluntarily "signed on the dotted line," to become new members of the rapidly growing Ohio Grain Dealers Ass'n. The proportion of non-members present, for they are always welcome too, who stood up at the question put to the gathering of "How Many Non-Members Now Feel They Want to Join?" was creditable to the speakers. All members were also asked to stand up, which revealed only a handful of non-members sitting down. But in face of the rapid growth this organization has enjoyed the past fifteen months under the direction of Sec'y W. W. Cummings of Toledo, it is evident that most every grain dealer in the state already belongs or is joining.

Joe Doering of Toledo lost the lead in the new membership drive which he has enjoyed, but is expected to recover after much effort.

'Tis said this gathering is the largest ever congregating in Columbus since the inception of this organization nearly half a century ago. The number attending did not exceed the registration at the Lima mid-winter meeting, but approached that figure. This, too, practically illustrates what a success this meeting was, for the majority drove so very much further to come to Columbus than they would have had to go to Lima, which is nearer the center of the grain business of Ohio.

Headquarters were established in the New Southern Hotel, by John Motz of Brice, chairman of this affair, and the Columbus com'te. A directors' meeting held on the evening prior to the meeting date attracted a large crowd that most filled the hotel. This agreeable arrangement permitted leisure hours to be devoted to pertinent discussions of trade problems and to further the development of good fellowship and better acquaintance, which factors combine to wrought harmony and understanding within trade circles.

Early on the morning of the twenty-third, other dealers started drifting in and entering into the spirit of the affair. Going the rounds of hand-shaking, greeting old friends and making new acquaintances, was followed with engaging in circles formed every here and there thruout the lobby in which discussions of problems and experiences were in progress.

Before noon the lobby was so crowded the overflow was directed towards the mezzanine, where registration was conducted. Sharply at noon, the big doors leading into the spacious "Grand Ball Room" were thrown open and the tables quickly filled. Almost immediately it became necessary to set up other tables to accommodate the unexpectedly large attendance.

The luncheon was exceptionally choice, and both well and quickly served.

EDGAR THIERWECHTER, Oak Harbor,

President, called the meeting to order and capably presided as toastmaster thruout the afternoon.

J. R. PICKELL, Chicago, spoke first on the program, being particularly anxious to get an early start on his drive back to Chicago. The subject of his talk was forecasting the trend of grain market prices, in which charts were displayed to illustrate the various points spoken of.

In the course of his talk, Mr. Pickell emphasized how very difficult it was to correctly prognosticate the future course of price, and gave an inkling of some of the methods used in determining trends.

S. T. EDWARDS, Chicago, Ill., feed system engineer of prominence, took for the enticing subject of his well-chosen words, "Making Fortunes On Feed." The word picture painted illustrated an economically-sound prospectus on the trend of the feed business at strategic points thruout the surplus grain producing states. Following his written address, Mr. Edwards presented designs and layouts of modern feed manufacturing plants with capacities up to twenty-five cars of assorted feeds in ten hours. Following his talk the delegates were invited to ask questions. Mr. Edwards' speech appears as a feature elsewhere in this number under the above mentioned caption.

BENNETT CHAPPLE, vice-pres. of the American Rolling Mill Co., Middletown, O., a staunch advocate of co-operation and organization, and a forceful speaker of renown, selected as the title of his meaty address "Co-operation and Organization."

It is Mr. Chapple's contention that nothing to-day is accomplished without organization, the present era being one of super-organization. The spirit of co-operation and harmony in business and outside thereof is to-day creating a beneficial influence never before so prominent. Nothing hitherto has placed competitors on speaking terms which they enjoy to-day and profit in their enjoyment thru increased harmony, happiness and understanding. The man in business who chooses to "Walk Alone" is the only loser.

Not to appreciate to the fullest the privilege of membership in associations like this is to not take advantage of one's splendid opportunities. To serve and serve well, to make everything with which we have anything to do more successful for our connection therewith, and to help others, is, in the final analysis, but to strengthen our business position, aside from the most valuable stamina of life, friendship.

These excerpts from Mr. Chapple's thoughts on the value of co-operation and organization made an indelible impression on his attentive audience. His speech is of such weight and value, it will be published in full in the coming number of the Journal.

PRESIDENT THIERWECHTER allotted several moments for the full significance of Mr. Chapple's splendid talk to "sink in" and to give an opportunity to review in the conscious mind some of the more applicable and pertinent points individual to each man's business, business problems and trends of mind, and experience.

Representative sections of the state were then reported up, as to this year's corn crop. The reports were almost unanimously to the effect that a crop of unusually fine corn had been grown, two sections excepted which reported somewhat chaffy corn due to dry weather. All reports indicated heavy oil content, which it is generally conceded caused corn to "heat." Moisture content ranged from 20 to 28 per cent, which statement of fact was ample to warn country grain dealers that it is still too early to safely handle or ship this year's crop.

Fulghum oats and the experience of the dealers present in the handling thereof was in-

quired for, with the following conclusions:

Fulghum oats are hard to handle, hard to grind and hard to sell and cause a lot of trouble, particularly because the whisker on the end holds moisture and consequently gets hot; this variety is quite acceptable in the South as a good feeding oat. Dealers seemed unanimous in their opinion that each should exercise influence in steering the farmer away from further cultivation of this variety, some reporting success in efforts along this line in favor of good white oats.

Convention Notes.

ST. LOUIS, MO. sent H. H. Savage.

CLEVELAND was ably represented by Fred E. Watkins.

BALTIMORE was represented by David H. Larkin, chief inspector, and H. E. Elgert.

MILWAUKEE was represented by David K. Steenbergh, sec'y of the Central Feed Dealers Ass'n.

PITTSBURGH was there with Roy V. Harper, Harper Grain Co.; J. A. A. Geidel, and O. A. Rector.

INSURANCE REPRESENTATIVES included H. F. DeLand, H. G. Pyle and S. L. Rice, Grain Dealers National Mutual Fire In-

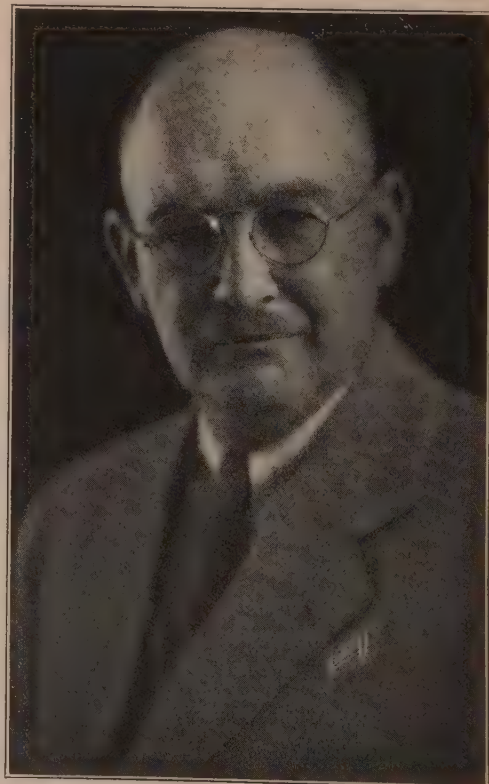
WICHITA, KANSAS, received its due from the hands of Ed. Beyers, who just happened to be in Columbus during the forepart of the morning.

BUFFALO delegates included Fred Pond, sec'y; Earl E. McConnell, McConnell Grain Corporation; Mark Steele, Dan A. Southwell and Charles B. Weydman.

CINCINNATI was represented by D. J. Schuh, executive sec'y; Ralph H. Brown, Henry W. Brown & Co.; Wm. L. Ingles, federal grain supervisor, and V. H. Jackson.

TOLEDO'S embassy included Sec'y W. W. Cummings, Phil Sayles, George A. Beeley, C. A. King & Co.; H. F. Prues; J. F. Wickenhiser, John Wickenhiser & Co.; Charles R. Keilholtz, Southworth & Co., and H. G. Dehring.

NEW YORK CITY sent Joe Abel of Abel-Whitman Co., Inc., and Col. L. W. Forbell of L. W. Forbell & Co. Joe Abel came down to put on another "monkey-cage" scene and otherwise entertain in comedy with Joe Streicher of Toledo, not to mention paying his semi-annual respects to the Buckeyes.



Pres. Edgar Thierwechter, Oak Harbor, O.

insurance Co., Indianapolis, Ind.; C. O. Garver, Millers National Insurance Co.; J. E. Anderson, Ohio Grain Dealers Mutual, and LeRoy Neal, Columbus, O.

SPRINGFIELD sent L. B. Miller.

LIMA sent Herbert and Miss L. Henmon.

PLINY M. GALE came up from Chillicothe.

C. E. LLOYD came over from Washington; C. H.

KEY TAGS were distributed by McCord & Kelley.

AL WARD and his wife drove from Fostoria.

FROM MICHIGAN was C. R. Kellogg of Morenci.

VICE PRESIDENT O. P. HALL came up from Greenville.

LONDON exported L. R. Watts and R. K. Shaw for the occasion.

SAM RICE of the Metamora (O.) Elevator Co., rode down with the Toledo delegation.

BENNETT CHAPPLE brought along Preston H. Pumphrey and John A. Ingwersen.

MIDDLE POINT sent a goodly portion of the Pollack family down to Columbus, both C. A. and H. G.

EDGAR THIERWECHTER of Emery Thierwechter Co., president of the organization, came down from Oak Harbor.

FOOTBALL SCHEDULES were presented with the compliments of the Grain Dealers Fire Insurance Co., Indianapolis, Ind.

COL. C. E. GROCE attended from Circleville, accompanied by Ray P. Reid, S. L. Warner, W. F. Heffner, and Wade H. Cook.

SUPPLY TRADE representatives were: Eli P. Short, Fort Wayne, Ind.; Bob Crawford, New Orleans, La., and H. E. Motts, Cleveland, O.

MACHINERY MEN included Joe M. Bell and Cliff Buzick, Sidney, O., Bauer Bros. Co.; W. D. McLean, The Wolf Co., Chicago; and W. H. Grubbs, Chicago.

BUFFALO representatives were "stuck" for the Monday night feast given in the New Southern, delegated to exercise the option of paying up by the alphabetical process of elimination.

COLUMBUS hosts included W. S. Cook, Maurice R. Maney, D. M. Cash, Omer Snyder, B. A. Wallace of Ohio State University, R. F. Knight, R. F. McAlister, and A. R. Sherman.

ELI P. SHORT of Fort Wayne, Ind., married Miss Stuckey of Xenia, O., just prior to the convention and was permitted to celebrate the affair by buying breakfast for about a thousand grain dealers.

CIGARS were passed around following the luncheon with the compliments of McCord & Kelley, McCallister-Robinson Co., Gwinn Milling Co., Columbus Grain & Hay Co., and the Ohio Farm Bureau Service Co.

NEW DESIGNS and blue prints were exhibited by S. T. Edwards of Chicago in the late afternoon, showing a new scratch feed unit without screw conveyor, a new aspirator, and a new general design of a feed plant where the building is low and where the mixing machinery and continual feeders in the basement saved considerable height on the building and gave better storage and handling accessibility.

Among Ohio's shippers present were: Albany—E. H. Lasch; Ashville—Glover C. Cline and W. E. Hall; Avery—Leon Gove; Belle Center—C. E. Keller and W. A. Glasgow; Bellefontaine—D. C. Keller and Geo. Wonders; Bellevue—Clyde M. Rudy and W. V. Raish; Blanchester—J. M. Garrison and L. A. Dewey; Bluffton—E. L. Diller and H. P. Mann; Bremen—R. S. Brown and C. E. Burnworth;

Brice—John H. and L. L. Motz and W. E. Cook; Cambellstown—J. M. Armacost; Canal Winchester—A. E. Huston, S. B. Swope, O. A. Grist and D. B. Neiswander; Carroll—G. O. Noecker; Centerburg—P. P. Burrer; Conover—J. H. Frantz and B. Russell; Derby—A. M. Daugherty;

Duval—E. O. Teegardin; Eaton—H. A. Klepinger; Fredericktown—H. W. Urdike and wife; Gettysburg—Helen Toman; Groveport—Wm. Leyshon and G. M. North; Hamilton—H. H.

Detrick; Jackson Center—J. M. Pence; Killeville—Fred Kile; Kenton—Clem W. Robinson; Kingston—R. H. Brundige;

Lewisburg—C. W. Pontius; Lockbourne—Two of the Myers family; Lockville (Carroll, p. o.)—B. E. Schirm; Loudonville—A. M. Heydinger; Marion—F. L. Alexander; Marysville—O. L. Spurrier; Maplewood—L. O. Leininger; Massillon—E. M. Stults;

McComb—N. G. Bennett; Melvin—W. A. Ewing; Middletown—F. O. Diver and wife; Millersport—W. M. Zollniger; Monnette—C. A. Smith and E. M. Wert; Morral—D. W. Mahaffey and wife; Olmsted Falls—W. G. Guscott; Orient—J. B. Hill;

Pickerington—H. R. Wooley; Plattsburg—Howard Hawkins; Pleasant Corners—C. W. Graul; Prout (Sandusky, p. o.)—C. S. Long and G. D. Beatty and wives; Sabina—H. E. Rapp; Saint Henry—H. E. Landman;

Saint Paris—E. L. Allton and wife, C. M. Duncan and Grant McMorran; Spencer—A. H. Fuller; Sunbury—K. O. Burrer; Swanton—Ed Fauble; Tiffin—F. C. Sparks; West Jefferson—Myron A. Silver.

Barley and Wheat for Pigs.

The disastrous drought which curtailed the expected production of corn in Nebraska thru the month of August and early September, forced feeders to seek other economical means of fattening livestock, particularly hogs. The result has been increased demands on the elevators with feed grinding equipment and increased demand among elevators for feed grinders. In Nebraska the wheat movement opened with a rush of damp combined grain. This stopped the movement in considerable measure, farmers holding their grain wherever they thought it in condition to stand safe storage.

Nebraska barley proved a good crop. But when the damage to corn from drought became apparent there was a sudden tightening on barley holdings until it was nearly impossible to buy locally.

On a pound for pound basis barley will be found to be very nearly the price of corn. By the time grinding costs are figured in barley will be found a little higher. On top of this corn has the advantage of 5 per cent greater efficiency. Still, it is more profitable for the farmers who have barley on their farms, but lack corn, to use the barley in its place and save handling and shipping costs.

Feeding authorities declare barley feeding experiments have shown this commodity to be 95 per cent as efficient as corn for pigs after it has been ground even with hulls. Good quality wheat, ground coarsely is the equal of corn. With a plentiful supply of both wheat and barley and a sad shortage of corn it has been natural for the feeders in Nebraska to mix wheat and barley together and grind them for feeding purposes.

At the same time a market has been opened for concentrate supplements to be mixed with this ground feed. The proteins of wheat are unbalanced and it is necessary for best results to add a protein-rich supplement such as tankage, or fish meal. The proteins of barley are likewise unbalanced and the grain is low in calcium content. Consequently dealers in Nebraska territory have an excellent opportunity to boost sales of tankage, and mineral mixtures in connection with their grinding operations.

There are now about fifteen telephones for each one hundred of our population in these United States. On June 30 this year, there were 18,151,000 telephone stations compared with approximately 9,000,000 in 1922. We have within our national boundaries only six per cent of the world's population, but we have three-quarters of the world's telephone and telegraph equipment.

Lethbridge, Alta.—A prairie fire starting south of Purple Springs swept an area of farming and grazing land 22 miles long by from two to 10 miles wide, recently. Grain losses in this area will total over 100,000 bus. Scores of granaries, and bins full of threshed wheat were in the line of travel and 2,000 men fought for hours to bring the conflagration under control.

Harvesting and Storing Sorghum.

Grain sorghum is grown extensively in a territory covering Eastern and Western Kansas, Northern and Western Oklahoma and Northwestern Texas.

Grain sorghums in bundles can be kept in stacks for years without serious deterioration from weathering, as, if properly stacked the bundles shed water.

Grain sorghums that are to be kept in the head should be stored in cribs or in large ricks as soon as the heads have dried. The ricks should be covered with grass, straw, or other material that will shed water. The cribs may be built of woven-wire fencing or of lumber and may be inside a building or covered with a roof or anything that sheds water. If the heads are put into cribs before becoming thoroughly dry, fence posts or large timbers should be placed throughout the crib to keep the heads loosely piled and permit ventilation. If the cribs are properly ventilated the heads can be put in direct from the field at harvest time.

KEEPING QUALITY OF THE GRAIN.

Threshed grain usually contains from 11 to 15 per cent of moisture, but it sometimes contains as much as 18 to 20 per cent. Grain containing more than about 13 per cent of moisture is in danger of spoiling during warm weather. Grain with a high moisture content will spoil in any kind of weather. The keeping quality of the grain depends not only upon the moisture in the grain but also upon the temperature and humidity of the air and the proportion of foreign material and cracked kernels in the grain. Recleaned grain will keep much better than grain containing cracked kernels and bits of sorghum leaves and stalks. Grain sorghums frequently keep well during the winter, but go out of condition with the approach of warm weather.

The heads should not be threshed until the grain feels dry when held in the hand. The threshed grain should be as free from cracked kernels and foreign material as it is possible to make it.

Grain sorghums harvested with a combine necessarily contain considerable moisture. This can be reduced by properly drying the grain. The most common and easiest method of drying is to place the grain on the ground in piles about 2½ feet high and 6 feet wide. The slope of the pile of grain exposes much of the grain to the air and also tends to shed rain. A pile of this sort can be examined easily by pushing the arm into the bottom to determine whether the grain is heating. Any part of the pile that is heating can be spread out with a scoop and permitted to dry. A canvas spread over the pile will protect the grain from rain.

BINS equipped with ventilators have been suggested for storing damp sorghum grain. In general, ventilated bins have proved effective for keeping grain which is only slightly damp, but they are not a practical means of drying grain which is distinctly wet. The ventilators recommended consist of long narrow wooden box frames with window screens across the top, bottom, and both ends. These were placed across the bins with the ends fitted into openings in the bin walls. A few of these ventilators sometimes have been placed in a vertical position with their bases resting on cross ventilators. The grain near the ventilators is partly dried by air passing thru the ventilators, but there is very little circulation of air thru the grain itself.

Combine milo harvested under dry conditions in the San Joaquin Valley of California keeps well in the bags which are dropped on the ground in the field.—Bull. 1577, U. S. Dept. of Agriculture.

Uruguay.—The corn crop of Uruguay was unusually large last season and the present carry-over is estimated at 76,000 tons or 2,232,000 bus. A proposal that the Government purchase a large part of this excess caused the Senate to approve purchase of 40,000 tons (1,575,000 bus.) at 3.80 pesos per 100 kilograms (about 96c a bu.).

Grain Trade News

Reports of new firms, changes, deaths, casualties and failures; new elevators, new flour mills, improvements, fires and accidents are welcome. Let us hear from you.

ARKANSAS

Prairie Grove, Ark.—The Washington County Milling Co. is installing a No. 2 U-X Jay-Bee Mill.

CALIFORNIA

Corcoran, Calif.—Our firm name has been changed from Cutler Bros. to Cutler Grain & Milling Co.—Cutler Bros.

Los Angeles, Cal.—The San Joaquin Valley Grain Growers Ass'n is understood to be exerting influence with the Board of Harbor Commissioners to build an elevator for handling bulk grain.

CANADA

Quebec, Que.—The Quebec Harbor Commission's 2,000,000-bu. addition was completed by the Atlas Construction Co. and opened for operation on Oct. 15.

Balmont, Ont.—The Elgin Middlesix Milling Co. contemplates rebuilding its grain and flour mill at an investment placed at \$30,000. Mr. Laidlaw is manager.

St. John, N. B.—The St. John Harbor Commission has let the contract to the E. G. M. Cape Co. of Montreal for the erection of a 1,500,000-bu. grain elevator in this port.

Wilcox, Sask.—The fire-destroyed double elevator of the Munro-Fowler Elvtr. Co. is to be rebuilt at a cost of around \$100,000. The loss on the burned house was placed at \$50,000.

Edmonton, Alta.—Over 100 new elevators totaling in cost more than \$3,000,000 have been built along the new Willingdon line of the C. P. R. in Alberta. Operation of the line into Edmonton is expected by Nov. 1.

Winnipeg, Man.—James Richardson was just appointed a director of the Lake Shippers Clearance Ass'n. Mr. Richardson operates the extensive grain company which bears his name, James Richardson & Sons, Ltd.

Edmonton, Alta.—Hartley M. Pearson died here on Oct. 10. He was general superintendent of the elevators for the Alberta Wheat Pool prior to which connection he was associated for two decades with the John R. McFarland Grain Co. of Calgary, Alta.

Collingwood, Ont.—Work on the long-proposed 2,000,000-bu. terminal in the harbor here is now actually under way. The \$1,250,000 project was debated pro and con for considerable time. The Collingwood Terminals, Ltd., was the organization reported formed to carry on this proposition.

Cranmer, Man.—The filled elevator of the United Grain Growers crashed to the ground, a heap of ruins, strewn some 30,000 bushels of wheat and 500 bushels of barley along with the wreckage directly across the tracks of the Canadian Pacific. The wreck is described and illustrated elsewhere in this number.

Toronto, Ont.—W. H. McCarthy succeeds the late John Carrick in to the appointments to membership on the grain standard board, the grain examining board, and the survey board of the grain division of the Toronto Board of Trade. Mr. McCarthy is manager of the Standard Milling Co. This board fixes the commercial standard of Canadian grain from year to year due to crop variations.

Sarnia, Ont.—James Playfair, who purchased the interests of the original private owners in the Sarnia Elvtr. Co., Ltd., has found the elevator is too small to accommodate the wheat business from western provinces. It is expected a move will shortly be put under way to increase its capacity by from 1,000,000 to 2,000,000 bus. The present plant has capacity for 1,000,000 bus. The city, which raised \$400,000 of the original \$520,000 cost a year ago and retains its municipal interest, will likely again be asked to aid in building the additions.

Calgary, Alta.—A \$100,000 loss was suffered Oct. 18 by the Alberta Pacific Grain Co. here through the destruction by an early-morning fire of its elevator and other buildings. The 70,000 bushels of grain which was ruined was valued at \$75,000. The blaze apparently started in the boot and quickly spread up the leg. An engine room some distance away caught fire. The loss was insured.

Winnipeg, Man.—Standards for three grades of wheat, namely Nos. 4, 5 and 6, known as "Commercial Grades," were established for the 1928-29 season on Oct. 10 by the Western Canada Grain Standard Board. These will be forwarded in due course to European and other markets where Canada sells her wheat. Frost was the main source of damage last year, however, the absence thereof this season makes the task of the board much lighter.

Winnipeg, Man.—George V. Hastings, 75, died at his home here on Oct. 17 of pneumonia. He had, however, been poorly for over a year. He was one of the most active business men of this city, and enjoyed an outstanding reputation in the milling industry of Canada. He married Margaret Ogilvie of the Ogilvie milling interests. He also was a director in the Fort William Elvtr. Co., as well as a number of banks, insurance companies and clubs. He came to Winnipeg in 1881. After establishing the Hastings Mill with a brother, George, then general manager for the Ogilvie Milling Co., became a director of the Lake-Of-The-Woods Milling Co., later becoming general manager here for them. His widow, two sons and two daughters survive him.

Peace River, Alta.—The Midland Northern Grain Co. is building the first river grain elevator in Western Canada on the Peace River front. The plant will have 35,000 bus. capacity when completed. The site chosen will permit the handling of barge wheat from all points up and down the Peace River and its many tributaries, as well as from wagons. The elevator is so situated that the larger boats which ply this broad stream carrying grain and all other commodities will not have to dock especially to handle grain, the proposed government wharf being close enough to permit handling the general merchandise portion of cargoes at one docking. The city of Peace River, the heart of a new agricultural development project, is served by the Edmonton, Dunvegan & British Columbia Ry.

FT. WILLIAM LETTER.

For stealing thirty cents' worth of wheat from the tracks of the Canadian Pacific Ry. on Oct. 8, the offender was fined \$10 and costs the following morning.

A fire broke out among some screenings in one of the storage tanks of Elevator "D" on Saturday evening, Oct. 13. The terminal is operated by the Northland Elvtr. Co., Ltd.

Charles Kassten, 19, was taken to the hospital suffering from an injured pelvis sustained while in the performance of his duties at the Northwestern Elvtr. Co. He slipped and fell.

At a cost of around \$5,000 an extra conveyor belt is being installed in the big lakehead grain terminal of the N. M. Patterson Elevator Co., Ltd. Its purpose is to speed up unloading operations at the house. Workmen now are engaged erecting the conveyor belt and housing on the top of the storage annex. It will be completed and in full operation by Nov. 1.

The new 7,000,000-bu. elevator of the Saskatchewan Pool was officially opened on Oct. 24 and 25. A party comprising 40 of the highest executive officials of the Manitoba, Saskatchewan and Alberta wheat pool organizations made an official two-day visit for the occasion as the guests of the Saskatchewan pool. A cruise of the harbor of the two ports, a banquet, and a thorough inspection of the grain inspection offices were among the features of the program of enlightenment tendered.

Several cars of grain were run thru the new Saskatchewan Pool Elevator for testing purposes on Oct. 15. The Barnett-McQueen Co. received the contract to erect this 7,000,000 bushel terminal on April 17.

Leo Monette, 18 year old boy, suffered from a severe shock sustained by a 75 foot fall at the plant of the Northwestern Elevator Co. The youth was walking along the top of a row of bins and missed his footing, falling down inside, alighting fortunately on a little grain which was in store therein. He suffered no bodily injuries.

VANCOUVER LETTER

Vancouver, B. C.—A. J. Diamant is now in charge of this office for the Continental Grain Co., Ltd., of which organization he is vice-president.

Vancouver, B. C.—The Vancouver Merchants Exchange opened its futures market with a good volume of trades to start the project off to a creditable commencement. The market opens at 6:30 local time. Some 75 members belong to this division. The price of memberships doubled within the past 45 days, about \$2,000 now being asked. This is an increase of three-fold in three months and ten-fold in three years.

Vancouver, B. C.—Metcalf & Sieburth, Ltd., grain brokers, was just incorporated by S. W. Metcalf and S. C. Sieburth. Mr. Sieburth is to be located in Vancouver in charge of the company's business here. He was associated with the National Elvtr. Co. for the past eighteen years. Mr. Metcalf commenced his career in the grain business in 1901 at Winnipeg, removing to Calgary in 1908. With E. S. Monro in 1910 he established the first cash grain brokerage business to be set up in that city.

Vancouver, B. C.—E. E. Hall has removed here from Winnipeg where he was pres. of the Central Grain Co., Ltd., vice-pres. of the Western Terminal Elvtr. Co., Ltd., and a director and finance com'te chairman of the Grain Insurance & Guarantee Co., etc. He decided to transfer his business interests to Vancouver, with its year-round harbor, in face of the rapid growth and consequent transition now taking place in the western sections of the Dominion, not to mention the unusual prospects of Vancouver in time to come.

New Westminster, B. C.—The Harbor Commissioners' new million-bushel grain elevator is being rushed to completion to accommodate at least a portion of this year's wheat crop. The walls are rising at the rate of 8 feet a day, the ultimate height being 165 feet, and two shifts are being employed in the construction work by the contractors, Stuart, Cameron & Co. Work has also started on filling in for the spur line on the railway. The loop, when completed, will permit train loads of wheat to run out to the spouts and when unloaded proceed around the loop on the main line. This is the first terminal to be erected on the Fraser River. Both the Canadian railroads and the Great Northern Ry. have easy access to its yards.

COLORADO

Hayden, Colo.—C. M. Dinius has again obtained the lease of the elevator of the Hayden Valley Co-operative Co. for another year.

ILLINOIS

Brocton, Ill.—The Brocton Elvtr. Co. has installed new truck scales.

Ottawa, Ill.—H. J. Ruckriegel has recently had his elevator repainted.—S. N. C.

Blackstone, Ill.—The elevator of the Farmers Elvtr. Co. was just repainted.—S. N. C.

Ursa, Ill.—An old granary here is being remodeled for use as a molasses-feed mill.

Charlotte, Ill.—A Kewanee Auto Truck Dump is being put in by the Farmers Grain Co.

Cullom, Ill.—Fire recently totally destroyed the warehouse of the Co-operative Grain Co.

Millstadt, Ill.—A Jay-Bee No. 2 UX Grinder was just installed by the Millstadt Milling Co.

Latham, Ill.—A new 1,000 gallon gasoline storage tank was just put in by the Farmers Grain Co.

Loda, Ill.—Fire on Oct. 14 slightly damaged the elevator of the Loda Farmers Co-operative Grain Co.

Hartsburg, Ill.—A new corn crib was lately completed for the Hartsburg Grain, Coal & Lumber Co.

Highland, Ill.—The F. M. B. A. Elvtr. Co. has installed a No. 3 Direct-Connected Jay Bee Hammer Mill.

McDowell (Pontiac, p. o.), Ill.—Two new truck dumps are soon to be installed by the McDowell Farmers Elevator Co.

Wyoming, Ill.—The Wyoming Grain Co. has installed a new electric moisture tester for use on the new corn crop.

Nora, Ill.—The Nora Co-operative Co.'s elevators here recently were acquired by Bob Morgan, a farmer.—S. N. C.

Papineau, Ill.—We have put in a new belt and cups and made other repairs in our elevator here.—Tegge Bros. Co.

Cazenovia, Ill.—John Meisner of Peoria has acquired the grain, coal and lumber business of M. J. Ranney & Co.—S. N. C.

Douglas, Ill.—The Valley Grain Co. has bought the cement house of the Pioneer Lumber Co. and leased its implement business.

Snyder (West Union p. o.), Ill.—M. H. Matteson of West Union, Ill., acquired the Paul Kuhn Estate elevator here.—S. N. Cavitt.

Pierron, Ill.—A No. 3 Jay Bee Direct Connected Hammer Mill has been installed by the Pierron Co-operative Equity Exchange.

Niantic, Ill.—A new Western Cleaner and a 35-h. p. Westinghouse motor was recently installed by the Bruce-Frederick Grain Co.

Kenny, Ill.—A new boiler for its steam power plant recently replaced the old boiler in the plant of the Kenny Elevator Co.—S. N. C.

Beaverville, Ill.—We have painted the roofing of the elevator and lumber shed. Will make no other improvements here.—The H. Lambert Co.

Ottawa, Ill.—A district meeting of farmers elevator managers was held Oct. 11, opening with a luncheon. A series of topics were discussed.

Walnut, Ill.—W. C. Brokaw fell into the pit at the Brokaw Elvtr. recently, receiving serious injuries. For a time he was confined to the sick bed.

Delavan, Ill.—The Farmers Elvtr. Co. has completely fitted up the new feed grinding addition just built with up-to-date equipment.—S. N. C.

Lake Fork, Ill.—New line shafts are included in the list of repairs just concluded in the plant of the Lake Fork Farmers Co-operative Elvtr. Co.—S. N. C.

New Athens, Ill.—C. L. Ardinger died earlier this month as the result of an automobile accident. He was well-known and connected with the White Dove Mill.

Rockford, Ill.—The Rockford Grain & Milling Co. has reconditioned the old Chick Mill and now does a general grain and feed business, including feed grinding.

Block (Sidney p. o.), Ill.—I have taken charge as manager of the Federal Grain Co., Inc., elevator here. I formerly operated an elevator at Covell, Ill.—Wm. J. Dixon.

Cornland, Ill.—A new motor is planned upon by the Cornland Farmers Grain Co.—S. N. C.

Buffalo Hart, Ill.—The Buffalo Hart Grain Co. installed a hammer mill.—S. N. C.

Brownwood (Hopedale p. o.), Ill.—We have just put on a new roof and installed lightning rods to afford protection during the electrical storms.—R. H. Kunce, Farmers Elvtr. Co.

Pleasant Plains, Ill.—A grinding department is planned for the Pleasant Plains Farmers Elevator Co. Several replacements and mechanical additions were of late added.—S. N. C.

Villa Grove, Ill.—The new 16x34 foot brick office built for the Villa Grove Farmers Elvtr. Co. is now complete and is being occupied. The scale shed measures 16x20 feet. This improvement replaces a frame building. F. I. England, the manager, is very proud of his new office.—S. N. C.

Freeport, Ill.—We are buying very little grain but a good crop of corn, oats, and barley was produced in this section and there are many indications of increased prosperity on the farm. Accounts and notes are being paid which have been past due for some time, and I believe we are going to have improved business conditions in our lines the next twelve months.—H. A. Hillmer.

Walnut Prairie (West Union p. o.), Ill.—The Paul Kuhn Elvtr., here recently became the property of and is now open and being operated by M. H. Matteson of West Union, Ill.—S. N. Cavitt.

Bonfield, Ill.—Electric motors will replace gasoline motors in the plant of the Bonfield Grain & Lumber Co., just as soon as the "high" line carrying electricity into this town is completed.

Andres (Peotone p. o.), Ill.—We have purchased two Kewanee Truck Dumps and same are installed and working very satisfactorily.—E. A. Stauffenberg, Andres & Wilton Farmers Grain Co.

Rushville, Ill.—William Elfert, formerly an officer of the Rushville Farmers Grain & Livestock Co., succeeds Ralph Young as manager, which position he has held the past two years.—S. N. C.

Manteno, Ill.—Carter Euzier of Euzier & Co. is now back on the job after being in the hospital in Joliet as a result of an auto accident several days ago.—S. N. Cavitt, of James E. Bennett & Co.

Chenoa, Ill.—Boughton & Harlan have just purchased a new moisture tester and have it set up ready to start operations on the new corn crop.—"Squire" Cavitt, with James E. Bennett & Co.

Mineral, Ill.—The elevator of the Federal Grain Co. of Peoria, recently reported acquired from the Farmers Elvtr. Co. at auction, is being repaired by George W. Quick & Son. Fred C. Brown is manager.

Galatia, Ill.—The Galatia Milling Co., Inc., has been incorporated with a capital stock of \$15,000 preferred stock and \$60,000 common stock by George E. Hoffman, Roy L. Rievely and Charles H. Gibbs.—S. N. C.

Alta, Ill.—We are building a 10,000-bu elevator here for Sumner Livingston. It will be equipped with a cleaner and sheller, Richardson Automatic Scales, 10-ton truck scales and a 24-inch Monarch Attrition Mill.—J. D. McClean.

Evarts (Riodott p. o.), Ill.—I am managing the B. P. Hill Grain Co.'s elevator here. I was formerly manager of the Armour Grain Co.'s elevator, now the Griffith Co. of Stillman Valley, Ill. Of late I lived at Byron, Ill.—Fred C. Himert.

Cambridge, Ill.—William Ringle Co., grain, coal and feed dealers here, has started removing old buildings on its site in preparation for building a new office and storage rooms. The new structure will be 75x30 ft., one story high, with basement.

Somonauk, Ill.—We have installed a Bauer Hammer Mill operated by an electric motor for doing feed grinding. A ground feed bin has been arranged and other improvements made about the elevator for efficient operation.—Farmers Elvtr. Co.

Atkinson, Ill.—The elevator recently reported acquired by the Federal Grain Elvtrs., Inc., from the Atkinson Farmers Grain Co., is now being repaired and overhauled by George W. Quick & Sons. Some new equipment will be installed. A. Winter is now the manager.

Mansfield, Ill.—The Federal Grain Elvtrs., Inc., of Peoria, who recently took over the Farmers Elvtr. here, have just completed the entire remodeling of their concrete grain elevator and installed a power shovel for unloading grain from cars. Geo. W. Quick & Sons did the work.

Willey Station, (Taylorville, p. o.), Ill.—Irvin Larrick, who was employed for the past year by the Stonington Elvtr. Co., Stonington, Ill., has accepted the managership of the Farmers Co-operative Elvtr. Co. here. It is reported that Mr. Larrick has purchased an interest in the business.

Donovan, Ill.—We have sold the old Elevator No. 2 to a local party who will wreck it and use the old lumber for improvements on his farm. Our Elevator No. 1 will be improved by placing steel siding on north and west sides.—F. W. Anderson, Mgr., Donovan Farmers Co-operative Elvtr. Co.

Hight (Dalton City p. o.), Ill.—The elevator of the Outten Grain Co. has been ordered dismantled to make way for Route 132. It stands in the center of the right-of-way acquired by the county for the pavement. The county must also pay damage for a large corn crib, the north end of which interferes with the road route.

Meadows, Ill.—John N. Balbach is temporarily in charge of the Meadows Grain & Coal Co. during the absence of R. L. Rathbun, who is now in California. Mr. Balbach had charge of the P. A. Balbach Elevator at Long Point, Ill., for a number of years, however, this house was sold this summer to Mr. Ritenhouse of Pontiac, Ill.

Fairfield, Ill.—The cleaning plant and shipping section of the elevator properties operated here by A. J. Poorman & Co. were demolished by a \$50,000 recent fire, along with well over a dozen cars of fancy red top. The office building and records and one of the warehouses were saved. Insurance protected the owners against total loss.

Waterman, Ill.—A carpenter working with a crew of men at the Wakefield Grain Elvtr., which is undergoing repairs and remodeling, fell from a ladder, catching his leg between the rungs thereof and suffering a very serious fracture a few inches above the knee as a consequence. George Saathoff is the contractor doing the work.

Pana, Ill.—A district meeting of the grain trade in this territory met at the Hotel Francis on Oct. 15, at 6:30 p. m. for a supper-session. Sec'y Culbertson presented some valuable information on the handling of soy beans of this crop, particularly those that happened to be under contract. Otto Young of Stonington, Ill., had charge of the arrangements.

Mendota, Ill.—The Federal Grain Elvtrs., Inc., who recently acquired the Eckert, Ray & Bader elevator here and retained C. J. Bader as manager, as reported, are soon to have the house overhauled and repaired by Geo. W. Quick & Sons. Eckert & Ray, it will be recalled, are reported to have moved to other quarters to continue the merchandising of grain to the terminals.

Tampico, Ill.—The Turner-Hudnut Co.'s elevators on the canal at Mile 20 and Mile 9, in charge of John Gish, have again been opened to receive recently threshed grain. The Mile 9 house is open on Monday and Tuesday of each week, while the Mile 20 house is open on Wednesdays and Thursdays. Grain is being taken in at either house, by appointment, on Fridays and Saturdays.—F. G. Boyden, Agt.

Streator, Ill.—The regular monthly meeting of the grain trade of the Streator territory was held in the evening on Oct. 25 under the auspices of the Illinois Grain Dealers Ass'n. The pertinent topic of the banquet-session was the handling of this new corn crop, which it was agreed would move in considerable volume. Mike Lavelle, George McGrath and the Stotlers took care of the affair. Sec'y Culbertson was toastmaster.

Kinsman, Ill.—The elevator formerly operated by Henry McManus, recently killed in an auto accident, was sold together with his residence to Arthur J. John R. and Vincent W. Dunn and Mark T. Welsh of Laugham, Ill., who have already taken possession. The name of the company will be Dunn Bros. & Welsh. James M. Maguire, elevator broker, represented both parties in the transaction. Mrs. McManus will reside in Peoria.

Peoria, Ill.—The Burlington Elvtr. Co. has been reorganized, tho the resale of stock holdings has been small. Under the new organization Col. Grant M. Miles of P. B. & C. C. Miles is pres., Homer M. Dewey is vice-pres., Jacob Wachenheimer is treas., and G. H. Page is sec'y. James A. Waughop continues as supt. and also serves on the board of directors. Harry G. Atwood and Charles V. Miles are other members of the new board.

Morris, Ill.—G. E. Mellen of Mazon was the able chairman of the meeting of the members and guests of the Illinois Grain Dealers Ass'n, held here in the evening of Oct. 24 at the Morris Country Club. An attempt was made to have this gathering be a banner one from the standpoint of attendance. The reports given were, needless to say, enlightening. The program was one of the most interesting yet given. Sec'y W. E. Culbertson presided.

Scovel (Saunemin p. o.), Ill.—Our new iron-clad elevator is now all complete. Same was built by Harry E. Surface. Elevator is circular form style, is 64 feet high and has six bins with 10,000 bus. capacity. A Strong-Scott Auto Dump was put in. This is a new style house and is arranged very conveniently. The floor is all concrete with a concrete wall all around the house going up four feet, thus, making it waterproof.—Balthus Fox, Mgr., Saunemin Elvtr. Co.

Savoy, Ill.—The Savoy Grain & Coal Co. plans to convert its old "south" elevator into a warehouse, tearing it down about half its present height. The company just finished an up-to-date nine-bin 65,000-bu. concrete elevator equipped with ultra-modern machinery. Geo. W. Quick & Sons are now finishing up the work.

Champaign, Ill.—Jim Sledge's office was the center of attraction at an eight-o'clock gathering of the grain dealers of this territory on Oct. 19. The purpose of this meeting was to discuss conditions pertaining to the Champaign trade territory and to obtain the ideas of the dealers as to effecting an organization for regular meetings in the future. W. E. Culbertson of Delavan, Ill., sec'y of the Illinois Grain Dealers Ass'n, was chairman of the event.

Decatur, Ill.—Farmers elevator managers from the sixth district met at the Hotel Orlando on Oct. 6, to discuss problems particularly pertinent this time of year. Laurel Truman of Gifford, discussed the loading and trimming of cars to command highest prices. Other speakers discussed the accuracy of the federal crop reports and the effect on prices, reasons for discontinuing storing, etc. C. C. Turner addressed the gathering on the handling of contracted soy beans.

Lyndon, Ill.—Clark McDearmon has organized a partnership to take over the milling operations formerly conducted as an individual enterprise, and will overhaul the entire plant, making several improvements and additions, including much new equipment. A new basement is being excavated under the main building for placing a corn crusher therein. The entire building will be sided and roofed with steel. John Attig, Mr. McDearmon's son-in-law, is the new partner in the business.

Gibson City, Ill.—The regular monthly meeting of the grain trade of this territory will be held in the evening under the auspices of the Illinois Grain Dealers Ass'n on Oct. 26. Arrangements have been made with the Pythian Sisters to serve a chicken dinner in the K. of P. Hall. Chairman Karl Jones has arranged with Dr. C. L. Stewart of the University of Illinois to address the gathering. A particular effort was made by Sec'y Culbertson in holding all of these meetings to have everyone bring his or her competitor.

Kewanee, Ill.—Farmers elevator managers held a meeting here on Oct. 3. W. E. Kitzmiller of Van Orin spoke on "How to Load and Trim Cars for Best Inspection Results." Howard Smith of Kasbeer talked on "Why We Discontinued Storing Grain for Customers." A. F. Bendtschneider of Morrison addressed the gathering on "Is Feed Grinding a Profitable Sideline?" and Frank Terry of Aledo prepared on "Are Government Crop Reports Accurate, and How do they Affect Prices?"—S. N. Cavitt, James E. Bennett & Co.

Springfield, Ill.—Grain dealers of this territory attended a supper-session of the Illinois Farmers Grain Dealers Ass'n on Sept. 29. Some of the subjects of addresses were: "The Best Methods of Loading Freight Cars to Get Favorable Inspection," "Reasons Elevators Have Given Up the Storage of Grain," "The Handling of Soy Beans," (which, it might be said, is a most interesting topic, since Decatur interests have contracted for a million bushels at \$1.35 a bushel). W. F. Surratt, federal agent, talked on "Methods Used by the Government in Gathering Crop Reports."—"Squire" Cavitt.

Chatsworth, Ill.—The grain trade of the Chatsworth territory gathered here under the auspices of the Illinois Grain Dealers Ass'n at seven on Oct. 23 to partake of a satisfying chicken dinner served by the ladies of the Methodist Church. The local com'te also provided that this meeting adjourn after the meal to other quarters. Willard Barclay of Wing, chairman of this district, pepped up the grain dealers in advance so that the program was quite an enthusiastic one. Each grain dealer was asked in advance to have some concrete suggestion at his tongue's end for the betterment of the local grain trade. As a result, the remarks made were quite candid and to the point, most of those in attendance standing right up and stating, as requested, just what they deemed best that they themselves do in the way of making changes in business policies and ethics that the same might be expected of their individual competitors to the end that all may work and live and prosper in harmony and mutual respect. Dean Voorhies of Fairbury took charge of the reservations. Sec'y Culbertson presided.

Sheldon, Ill.—Illinois and Indiana grain dealers met here on Oct. 25 for their annual get-together banquet and crop-reporting fete. Ben B. Bishopp and W. I. Smith had charge. The turnout was splendid, even eclipsing that of a year ago, which in itself was a record. The festivities were more unique and unusual than anything before staged. Dealers came in from miles around. Terminal market representatives were there in a body.—S. N. Cavitt.

Decatur, Ill.—The Decatur Grain & Elevator Co., a recently organized partnership between C. L. Leiss and John W. Hook, who were reported in the last number to have purchased the 50,000 bushel Shellabarger concrete elevator here located on the Illinois Central and Pennsy Rys., to receive, handle, dry, etc., grain and soy beans and merchandise same, are now understood to be planning the construction of another elevator, 250,000 bus. in capacity on the site of the old one. The present plant is equipped with a large capacity drier. Mr. Leiss, it will be remembered, has been connected with the Evans Elevator Co. of Decatur, previous to which association he was resident manager for James E. Bennett & Co. of Chicago. Mr. Hook has had several years experience in the grain business also, however, his latest connection was with an oil company. Offices will be maintained in the New Sufferin Building.

CHICAGO NOTES.

Wheeler & Kenly have posted their memberships in the Chicago Board of Trade for transfer, retaining one for member's rates of commission.

The Millers National Federation will hold its semi-annual meeting at the Stevens Hotel on Nov. 15-16, according to word from Sec'y A. P. Husband.

The Chicago Board of Trade Post, American Legion, Drum and Bugle Corps, will make phonograph records for the Columbia Phonograph Co., it is understood.

The quarters across the street from the temporary Board of Trade building formerly occupied by E. Newman & Co., will be altered to suit the needs of the Chicago Curb Exchange.

The amendment to the rules of the Board of Trade authorizing the directors to use the proceeds of transfer fees to purchase memberships for retirement at \$12,000 was adopted Oct. 17 by a vote of 588 to 177.

Charles A. Peck, partner in the firm of E. Newman & Co., has taken over the office in the Utilities building and opened a general grain commission business under his own name. Emil Newman, head of this organization, passed away recently.

J. Leonard Replogle, well-known in Eastern steel circles, and E. J. Dies, assistant to the President of the Board, handling publicity, are among the recent applicants for membership in the Board of Trade. Certificates are selling at \$18,000.

Gerald M. Stapleton, 37, his wife and daughter, riding in their automobile on Oct. 21, were struck by a freight train on a grade crossing, all three dying as the result thereof. Mr. Stapleton was a statistician in the employ of James E. Bennett & Co.

Harry N. Brenton was presented with a basket of flowers on Oct. 19 by his many friends in the corn pit. The occasion was Mr. Brenton's seventy-second birthday. He has been on the floor of the Board for forty years. Jack McCarthy made the presentation address.

Two workmen painting a tank on top of the warehouse of the Northwest Malt & Grain Co. were killed on Oct. 11 when the scaffold on which they were working unexpectedly gave way, and the men fell sixty feet to the ground. George Ormsby, 31, and Harry Thompson, 44, were the victims.

Group insurance under which each of the 300 employees of the Board of Trade will be a beneficiary to the extent of \$500 payable to his or her estate has just been effected by the Board of Trade. Among those active in urging this protection was J. C. Wood, who is chairman of the real estate com'te of the Board.

Frank J. Miner, 69, who retired as a trader at Chicago 12 years ago and went to St. Louis to live, collapsed on the street there on Oct. 16, dying before he reached the hospital, and was buried in Calvary cemetery, Chicago, Oct. 22. His mother, Mrs. Ann J. Miner, was the first girl to be born in Chicago after it became a city in 1837. He is survived by his widow, Theresa Miner, and a sister, Anna J. Miner of Hollywood, Cal.

Trading in stocks and bonds on the Board of Trade was brought a little closer in the realm of relativity on Oct. 16, when a special com'te of three was appointed to make a detailed canvass of the practicability and possibility thereof. Authority was granted to counsel with someone thoroughly well posted on such matters to devise a plan for trading and a \$100,000 appropriation made to establish this exchange.

The membership of the estate of J. Ogden Armour in the Chicago Board of Trade is posted for transfer at \$19,000. Traders attribute the rapid advance in the price of memberships to the recent action of the board of directors of the Board of Trade in taking action on the matter of preparation for dealing in stocks and bonds. Within a week memberships went up \$6,000. Among others transferring their memberships were James J. Pones, former secretary of the Board, now living in Pasadena, Calif. John F. Jelke also sold his ticket.

Members who have recently removed from the Board of Trade Building on account of its early demolition to make room for the new structure are the following, at the stated new address:

Chas. D. Campbell, 401 S. Dearborn St.; John West & Co., 332 S. La Salle St.; Geo. F. Swenson, 332 S. La Salle St.; Edgar D. Risser, 332 S. La Salle St.; Uhlmann Grain Co., 538 S. Clark St.; Jas. A. Begg, 327 S. La Salle St.; J. C. Wood & Co., 105 W. Adams St.; McKerr & O'Connor, 332 S. La Salle St.; S. J. Feeney & Co., 332 S. La Salle St.; Requa Bros., 332 S. La Salle St.; Frank J. Delany, 332 S. La Salle St.; Bridge & Leonard, 401 S. Dearborn St.; W. G. Moorhead & Co., 608 S. Dearborn St.; Rural Grain Co., 332 S. La Salle St.; Peter B. Carey, 332 S. La Salle St.; B. B. Denniston & Co., 327 S. La Salle St., and Herbert Schram, 421 S. Clark St.

A place in the heart of the Southwest has been won by the Drum and Bugle Corps of the Board of Trade Post of the American Legion. This is indicated in letters and telegrams to officers of the Board of Trade from various business interests in the Southwest. Leading a large Chicago delegation, the crack Corps of the world's principal grain exchange recently attended the national convention of the American Legion in San Antonio, Texas. On the way to and from the convention, parades and other ceremonies were conducted in cities in which grain and cotton exchanges are located, including Kansas City, New Orleans, Houston and Galveston. At the annual meeting held Oct. 23 the following officers were elected and installed for the coming year: Commander, Edwin O. Myers, broker in the oats pit for James E. Bennett & Co.; first vice-commander, William R. Fisher, of the Weighing Dept.; second vice-commander, Sidney E. Gregerson; third vice-commander, F. L. Pollaschek; adjutant, L. E. Simons; finance officer, Walter A. Mooney; service officer, Harry W. Ewert, Weighing Dept.; judge advocate, John W. Wall; chaplain, Clarence E. Atwood; historian, Jerry Kennedy; Americanization, Henry Corcoran; athletic director, Capt. Leon Cutter; sergeant-at-arms, Robert Adams, and publicity, Kenneth B. Pierce, manager cash grain department for James E. Bennett & Co. The members of the Post presented the retiring commander, John H. Fisher, with a traveling bag and a wrist watch as a token of appreciation of his splendid service, and untiring efforts in behalf of the Post as Commander for the past two years. Jim Beggs, a director of the Board of Trade, made the presentation speech. Mr. Beggs, who with many other invited board members attended the annual election and meeting, read a letter from the Board of Directors of the Board of Trade expressing their deep-seated sentiments and sincere gratitude over having such a splendid and refined organization associated with the Board of Trade.

INDIANA

Cannelton, Ind.—The Cannelton Flour Mills is installing a No. 2 UX Jay-Bee Mill.

Alexandria, Ind.—Chas. F. Naber & Co. have installed a No. 3 Jay Bee Hammer Mill.

St. Joe, Ind.—The Edgerton Elevator Co. is completing a new addition to its elevator here.—S. N. C.

Zionsville, Ind.—The Zionsville Grain Co. is installing a Sidney Roller Bearing Corn Sheller and Feeder.

Blountsville, Ind.—A No. 3 Jay Bee Hammer Mill, type UX, has been installed by the Wilson-Shirley Grain Co.

Warren, Ind.—A No. 3 "T" Jay-Bee Hammer Mill with fan is now going into the plant of the Salamonie Roller Mills.

North Manchester, Ind.—The Bashore Feed Mill is again in operation by its owners, John Bishop and Chester Bashore.

Evansville, Ind.—Austin Iglehart, vice-president of Iglehart Bros., was re-elected a director of the Indiana Chamber of Commerce.

Evansville, Ind.—The Edward F. Goeke Grain Co. here is making a number of improvements to its office building and warehouse.—W. B. C.

Kokomo, Ind.—John M. Miller, 73, one of the oldest grain and mill men in this section of the state, died after an illness of three months.

Mt. Vernon, Ind.—Mrs. Minnie Dickens, widow of the late Samuel Dickens, former mill and grain man here, is dead at Nashville, Tenn.—C.

Princeton, Ind.—An unsuccessful attempt was made by thugs to rob the safe of the Moore Milling Co. The combination on the safe was ruined in the process.

Evansville, Ind.—Mrs. J. Artes, wife of Julius Artes, who for many years was manager of the Union Elevator here, died recently after a protracted illness.—W. B. C.

Russiaville, Ind.—The Russiaville Grain Co. has equipped its elevator with a McMillin Combination Wagon and Truck Dump to accommodate sinks from several dump doors.

Hope, Ind.—We made a change in our power plant recently when we took out the natural gas engine and replaced it with a 50-h. p. oil engine.—C. L. Stafford, Stafford Grain Co.

Indianapolis, Ind.—Ed. K. Wheatly, night watchman of the Board of Trade Building, was recently found unconscious by his 12-year old boy. Two lockers in the basement, where Mr. Wheatly was found, were broken into.

Trafalgar, Ind.—A McMillin Combination Wagon and Truck Dump has been installed in the plant of the Suckow Milling Co. to accommodate a number of trap doors. It is driven with a 4-inch belt from other machinery.

Redkey, Ind.—Adamson & Kemper, who took possession of the Stafford elevators at Redkey and Blaine last May, have leased the local elevator of the Redkey Grain Co. and will continue to operate the three elevators.

Merom, Ind.—Cliff Wilson is rebuilding his coal bins and doing some work on his elevator here, preparatory to doing a rushing business down here this fall in face of the splendid corn crop prospects.—"Squire" Cavitt, James E. Bennett & Co.

Westfield, Ind.—We have resided the elevator with galvanized siding and installed a new motor to increase our grinding capacity, in addition to the installation of a new Sidney Upright Ton Mixer reported.—M. E. Kendall, Kendall Goodrich Co.

Kirklin, Ind.—Virgil W. Moore, surviving partner in the Moore Bros. Co., has acquired the interest of the late Ward Moore.—The Jacques Co. of Thorntown, Ind., is the parent organization, of which the Moore Bros. Co. is a subsidiary.

South Whitley, Ind.—The City Mill & Feed Co. has just installed a No. 3 type "UX" Jay-Bee Hammer Mill. The Mayer Grain Co. was reported to be considering the installation of a Williams Hammer Grinder, electricity now being available.

Flat Rock, Ind.—Geo. S. Cook has surrendered his interests in the Flat Rock Elevator to the Martin Cutsinger interests by mutual agreement, the change being effected Oct. 13. I continue as manager.—W. R. Nading, Flat Rock Elevator.

Argos, Ind.—Herbert B. Fry, who was all but put out of business by the burning of the W. E. Meloy Elevator this August, purchased other property here which he will convert into a modern feed plant. Truck scales will be installed, along with much other up-to-date equipment. Work is now under way.

Claypool, Ind.—A bill of sale covering the three elevators of Kinsey Bros. located at Liberty Mills, Laketon and North Manchester, has been received by the receiver of the State Bank here. An unauthorized loan of about \$10,000 made to Kinsey Bros. is alleged to have been the cause for the bank's failure.

New Lebanon, Ind.—L. Brooks & Son have completed their new elevator, which replaces the one destroyed by fire some months ago, and are already taking in new crop corn. The new house is a completely modern structure, erected on the old site, and of much greater handling and storage capacity. Its neat and trim appearance makes an impression for miles around.—S. N. Cavitt.

Brazil, Ind.—Dave Stigler and Isaac Skelton purchased the real estate and plant of the Farmers Co-operative Elevator Co. here at public auction on Oct. 15 for \$4,200. This was the first and only bid on the property which included the old flour mill, elevator and machinery. The new owners are understood to be negotiating with officers of the Clay County Farm Bureau, who plan to lease the property.

Indianapolis, Ind.—Miss Hazel E. McCollum, efficient secretary to Bert A. Boyd for the past 12 years, was announced as winner in a recently conducted "Travel Essay Contest" sponsored by the Indiana Hotels Ass'n in connection with a series of trips to points of interest in Hoosierdom. The contest subject was "Why I Like to Travel in Indiana." Great interest was displayed in the competition.

Greensburg, Ind.—Equipment has been installed by the Garland Milling Co. here for the milling of hard wheat. Heretofore soft wheat flour has been the specialty with which the company has gained much prestige. A milling-in-transit rate, permitting the company to mill wheat on virtually a thru-rate, has been obtained, which will give this plant an advantage on all eastern and southern business.—S. N. C.

Michigan City, Ind.—Steps have been taken by W. L. Shafer, sec'y and manager of the Michigan City Chamber of Commerce, to have the Chicago Board of Trade lease and operate a public grain elevator in this city on the harbor. Chicago, with elevators sufficient to house at least forty million bushels of grain, faces the loss of its public grain storage business as the result of the failure of the Illinois Commerce Commission to agree on a plan for the control of public elevators. La Porte, Hammond, and many other cities with and without lake shipping qualifications, also have bid for the public storage houses.

District meetings of the Indiana Grain Dealers Ass'n were held in the evening at Logansport on Oct. 22, at noon at Marion on the twenty-third and on the same evening at Kokomo. The pertinent topic of discussion was the corn movement. As usual dealers are being urged to accept corn before it is in condition to shell and ship causing serious losses. Corn at present carries too much moisture, and in light of the fact that a grain dealer cannot justify his investment in his business unless he is performing a real service for his people and at the same time realizing a just profit and fair return on his investment and labors, it was the consensus of opinion that it is unwise to take in corn too soon.—Charles B. Riley, Sec'y.

Indianapolis, Ind.—At present the machinery, building and equipment in the plant which we recently purchased from the Urmston Grain Co., which receiver's sale you reported a month ago, is undergoing a thoro repairing, reconstruction and painting, the cost of which is estimated at \$15,000. In addition to this, we are building a new home for our superintendent, Mr. McGee, on plant property. Some of the new equipment going in includes nine motors, three boots, ten belts, two car-pullers, two loading spouts, outfit for testing grain, spouts, trap, pump and section to drier. Our plant office has been painted and is being equipped with new office furniture. The government inspector, Mr. Edwards, estimates the capacity of this house at 500,000-bus., including the head-house, which was not under government supervision prior to our purchase of same. Our plant has been filled to its capacity at present, only leaving room for turning. As stated the Nashville Warehouse & Elevator Corp. of Nashville, Tenn., recently incorporated here to operate this plant, which is on the Big Four, as a public storage house under the name of the Indianapolis Public Elevator Co. A down-town office is maintained in the Lemcke Building.—Marvin Scales, mgr.

IOWA

Boxholm, Ia.—A new hammer mill is now in operation for the Farmers Elevator Co.

Schaller, Ia.—A truck dump is soon to be installed in the elevator of Kunz Grain Co.

Popejoy, Ia.—A No. 3 Jay-Bee Hammer Mill has been installed by White & Ackerman.

Weldon, Ia.—Lloyd Smith is new local manager of the J. L. Allen Grain Co.—A. G. T.

Kalona, Ia.—Ivan D. Lemley acquired the elevator and feed mill here, according to late dispatches.

Randall, Ia.—A new three-phase electric motor is to be installed by the Farmers Co-operative Grain Co.

Dayton, Ia.—The Farmers Elevator Co. has let a contract to have its elevator painted. E. Larson is manager.—Art.

West Side, Ia.—The West Side Roller Mills just installed a No. 3 direct-connected style "S" Jay-Bee Hammer Mill.

Gifford, Ia.—A new Fairbanks-Morse Wagon Scale was just installed by the H. N. Edmondson Grain Co.—A. G. T.

Ames, Ia.—The Gilchrist Coal & Feed Co. is remodeling its elevator and mill and installing a Newell Electric Truck Dump.

Wieston (Manson p. o.), Ia.—We have rebuilt our coal shed which was partially destroyed by fire last August.—Davis Bros. & Potter.

Lewis, Ia.—The W. F. Shindley Elevator has installed a Bender Electric Truck Dump to handle the large corn crop which is expected.

Denhart (Corwith p. o.), Ia.—We have raised our office and will install a new 10-ton Type S Fairbanks Truck Scale.—Davis Bros. & Potter.

Sheldon, Ia.—A Fairbanks 15-ton Truck Scale has been installed in the local elevator of the Quaker Oats Co., which is managed by C. Trenhaile.

Pulaski, Ia.—The Mahlon Brenneman Mill recently was acquired by E. J. Conrad. Mr. Brenneman has had charge the past ten years.—A. G. T.

Schaller, Ia.—The truck dump in the elevator of the J. B. Adams Grain Co. will be extended to accommodate trucks of longer wheelbase and larger capacity.

Sulphur Springs, Ia.—Among the improvements we recently completed here is a new coal scale and a silent chain elevator drive.—Davis Bros. & Potter.

Sigourney, Ia.—Thieves broke into the office of the Bruns Seed & Grain Co. and collected \$2 or \$3 in dimes, nickels and pennies from the company's safe recently.

Highview (Webster City p. o.), Ia.—The Farmers Grain Co. recently enlarged its office by building on a new addition. N. F. Christensen is manager.—A. T.

Bagley, Ia.—We have completed our buildings and our new coal sheds here and now have a modern and fully improved plant with capacity for 80,000 bus.—Davis Bros. & Potter.

Little Cedar, Ia.—H. H. Hockens, H. H. Milton, W. B. Danforth, Anton Neiks and Thomas Martin are named in the articles of re-incorporation of the Little Cedar Grain & Coal Co.

Blencoe, Ia.—W. J. Langan leased an elevator here which he will operate this season. Mr. Langan was formerly manager of the Nye & Jenks Grain Co.'s elevator at Creston, Neb.

Fort Dodge, Ia.—The silver anniversary-convention and exposition of the Farmers Grain Dealers Ass'n will be held here on Jan. 23-25. The Wahkonsa Hotel will be headquarters.

Owasa, Ia.—Electric motors will replace gasoline power in the plant of the Farmers Elevator Co. just as soon as the electric light line can be strung over from Iowa Falls.—A. G. T.

Ogden, Ia.—An electric truck dump and a Fairbanks-Morse Auto Truck Scale was recently added to the grain handling facilities of the Farmers Co-operative Elevator Co.—A. G. T.

Pomeroy, Ia.—Geo. F. Waldo, formerly of Lavinia, Ia., succeeds W. H. Drommer as manager of our local elevator, which we expect to continue to operate.—Chas. C. Davis, Davis Bros. & Potter.

Allison, Ia.—We traded our elevator here to the Parkersburg Grain & Fuel Co. earlier this fall, and it was they that sold to Froning Grain & Fuel Co.—L. W. Gifford, Gifford Grain Co., Cedar Rapids, Ia.

Nemaha, Ia.—We are installing a 10-ton truck scale and remodeling the elevator office. We expect to install a silent chain drive in the near future. Our elevators are leased to Davis Bros. & Potter, Hakes & Bleam.

Humboldt, Ia.—Some thirty grain dealers from northwest Iowa were the guests of E. W. Bailey & Co. earlier this month. C. L. Douglas was the toastmaster, introducing George Bailey of Montpelier, Vermont, one of the speakers.

Colo, Ia.—The North Iowa Grain Co. has moved into its new office building recently completed by the T. E. Ibberson Co. as reported in an earlier issue of the Journal. The office is located in one end of an 80 ft. warehouse.

Ellsworth, Ia.—We have put in a new electric dump, also a new elevating belt and new cups, changing the power over from a five horse power to a ten. We are now in a position to handle grain much faster.—Harry Pitzer, mgr., Farmers Elevator Co.

New Sharon, Ia.—We are installing a No. 3 Gruender Hammer Mill to be used in grinding grist as well as manufacturing our own feeds. Recently we installed a Rosco Ajax Oat Huller, as reported in a previous number of the Journal.—G. C. Bennett.

Welton, Ia.—The Welton Elvtr. Co. is being sued for a sum in excess of \$1,800 by William F. Hilbert, who alleges a shortage in the amount of grain he stored with the defendant and further charges his grain was mixed with other grain of an inferior grade.

Keokuk, Ia.—The plant of the Purity Oats Co. was shut-down for a few hours early this month when fire damaged a conveyor. Friction started the blaze and parts of the conveyor had to be torn up to reach it with chemicals and water. Damage was slight.

Newburg, Ia.—A stock company has been formed here under the name of the Newburg Elvtr. Co., and has taken over the assets and liabilities of the old Newburg Co-operative Elvtr. Co., whose charter expired in 1925. G. H. McCarel continues as manager.

Laurens, Ia.—M. C. Larson, manager of the Farmers Trading Co., is going to Fort Dodge to manage the local office of the Rural Grain Co. Arthur W. Johnson, who has been second man here, will relieve him as manager.—Art Torkelson, with Lamson Bros. & Co.

Van Horne, Ia.—Delbert Cramer, who several years ago was manager of the Farmers Elvtr. Co. at Livermore, Ia., and recently in business for himself at Grand Junction, Ia., as the Cramer Grain Co., died quite suddenly recently after contracting pneumonia. He leaves a wife.—Art.

Sioux City, Ia.—The mechanical equipment is all installed in the new half-million bushel addition just completed for the Terminal Grain Corp. by Jones-Hettelsater Construction Co. Horner & Wyatt drew the plans and specifications. The company now has a million and a quarter storage.

Palmgrove, Ia.—In renewing its articles of incorporation, listing its capital stock at \$20,000, the Farmers Exchange included the operation of feed and flour mills in its list of purposes of existence, along with the customary "To buy, sell and handle grain, coal, lumber, farm produce, supplies, etc."

Midland (Rock Rapids p. o.), Ia.—James Gehan of Hawarden is now manager of the Quaker Oats Co.'s elevator, it is understood. In July, Ed. Gaster came down from Ashton, where he was manager for Hubbard & Palmer, to run this house. The company just let contract to have extensive repairs made on this house.

Dickens, Ia.—We leased the Varney Elevator from the Exchange Savings Bank of Dickens, Ia., and are operating both plants here now. This other elevator now gives us a storage capacity of about 65,000 bus. (G. A. Cady advises he sold this elevator shortly after purchasing it of C. M. Varney, presumably, in light of the above, to the bank.)—J. F. Jones, Dickens Farmers Elvtr. Co.

Salix, Ia.—The new 25,000-bus. grain elevator constructed of reinforced concrete with a water-proof pit by the Younglove Construction Co. for the Salix Grain & Coal Co. is ready for operation. Fairbanks-Morse electric motors furnish the necessary power thruout. The most up-to-date equipment was installed, including a Hinckley Drive, Link-Belt Manlift, Richardson Automatic Scale, platform scale, dump, etc. W. J. Baak and P. J. Brechtel are partners in this enterprise.

Rowan, Ia.—We are building a feed grinding addition to our elevator and are installing a No. 3 Jay Bee Hammer Mill. We have the only elevator operating here at present.—Rowan Lumber & Grain Co.

Mt. Pleasant, Ia.—The A. D. Hayes Co., with headquarters here, took possession of three new elevators, one each at Eldon, Weaver and Salem as of Oct. 1, for a line of eleven houses. O. A. Talbot of Keokuk, who is retiring from the grain business formerly operated the plants taken over.—Arthur G. Torkelson, Lanson Bros. & Co.

Sioux City, Ia.—The annual meeting of the Sioux City Grain Exchange was held in the offices of the Exchange, Oct. 20, at which time J. C. Mullaney, H. S. Nevileir and J. S. Eales were re-elected as Directors of the Exchange. The following were the hold-over directors: S. P. Mason, Charles C. Flanley, Paul A. Ketels, R. E. Mangan, M. King and H. J. Hutton. Following the membership meeting the Board of Directors re-elected the following officers for the year: Charles C. Flanley, pres.; H. S. Nevileir, vice-pres.; R. E. Mangan, treas., and Freeman Bradford, sec'y-traffic manager.—Bob Swenson, James E. Bennett & Co.

Marshalltown, Ia.—Grain dealers in the Marshalltown territory, including independent dealers, all managers of farmers elevators and agents of line companies, will gather at a meeting sponsored by the Western Grain Dealers Ass'n at a banquet to be held at the Tall Corn Hotel, on Oct. 25. The purposes of this gathering are given out as: An opportunity to become personally acquainted with everyone in the territory that better trade conditions may exist; to discuss problems pertinent to this particular district, including feed grinding, discounts on damaged new crop corn due to recent rains and winds, etc. A goodly representation will be present, both from the shipping points embraced in this district as well as terminal market men.—D. O. Milligan, Sec'y.

KANSAS

Hoyt, Kan.—Geo. F. Hall is installing roller bearings on his corn sheller.

Atwood, Kan.—J. A. Bowles is having his plant equipped with lightning protection.

Greensburg, Kan.—A No. 2 Jay Bee Hammer Mill has been installed by the Moore Grain Co.

Humboldt, Kan.—The Humboldt Elevator Mills have installed a No. 4 Jay Bee Hammer Mill.

Meriden, Kan.—The Farmers Elvator Co. has had anti-friction bearings installed on its corn sheller.

Lawrence, Kan.—The Derby Grain Co. has installed anti-friction bearings on its corn sheller and its cleaner.

Council Grove, Kan.—The Central Coal & Grain Co. is installing a new Sidney Roller Bearing Corn Sheller.

Bellefont, Kan.—The Farmers Elvtr. Co. has just completed new coal sheds adjacent to its elevator here.

Fontana, Kan.—Blaker Lumber & Grain Co. suffered slight damage to its elevator by windstorm on Oct. 8.

Climax, Kan.—I am now manager of the Climax Elvtr. Co., succeeding H. A. Bonnell, proprietor.—C. R. Williams.

Denton, Kan.—The plant of the Doniphan County Farmers Union Co-operative Ass'n was destroyed by fire on Oct. 12.

Zurich, Kan.—The local elevator of the Shellabarger Mill & Elevator Co. was slightly damaged by windstorm on Oct. 11.

Fontana, Kan.—Lightning rods are being installed on the elevator of the Farmers Co-operative Grain & Coal Ass'n.

Wichita, Kan.—Erroll Kirkpatrick was killed in a motor accident on Oct. 8. He was grain buyer for the Beyer Grain Co.

St. Marys, Kan.—Anti-friction bearings have been installed on the corn sheller and cleaner in the plant of the Farmers Elvtr. Co.

Wellington, Kan.—The Farmers Elvtr. Co. has installed a hammer mill, in accordance with their advices of such intentions earlier this fall.

Dwight, Kan.—O. M. Shaw has leased the Carl Johnson elevator. Mr. Johnson will continue to handle feeds and act as second man for Mr. Shaw.

Wichita, Kan.—W. J. "Bill" Kopp, well-known traveling representative for B. C. Christopher & Co. of Kansas City, is now manager of the company's office here.

Greensburg, Kan.—The 20,000-bu. elevator of the Collingwood Grain Co. is now the property of R. C. Moore, who was manager thereof for the past three years.

Great Bend, Kan.—New track will be laid on the new grade just completed adjacent to the properties of the Barton County Flour Mills Co., by the Missouri Pacific.

Miltonvale, Kan.—A dairy and poultry section has been added to the Miltonvale Roller Mills & Grain Co.'s business, suitable equipment including a mixer, etc.

Centerville, Kan.—W. E. Erwin is considering giving up the personal operation of his 15,000-bus. elevator here. He now manages The Grain Belt Elevators at Spearville, Kan.

Centerville, Kan.—Several improvements have been made to our elevator here, including a new Strong-Scott Air Dump, and new transmission rope.—Ora E. Moore, Centerville Elevator Co.

Salina, Kan.—I am now connected with the Art Hoffman Grain Co., and was formerly associated with the John Hayes Grain Co. This change was effective Oct. 1.—Newton A. Gray.

McPherson, Kan.—A. H. Reiderer has engaged in the grain and feed business here, having resigned the position he held as manager for the past five years of the Chase (Kan.) elevator.

Fostoria, Kan.—A new corn sheller, equipped with anti-friction bearings, is being installed by Harrington & Cummings and the entire plant iron-clad and bonded for lightning protection.

Salina, Kan.—The losers at the annual golf tournament put on every year by the members of the Salina Board of Trade entertained the winners on Columbus Day, Oct. 12, the day the match was played.

McPherson, Kan.—Work on the new 150,000-bu. addition to the plant of the Wall-Rogalsky Milling Co. is under way. Horner & Wyatt prepared the plans, which call for eight round tanks and four interstice bins.

Topeka, Kan.—John F. Norton, 77, brother of Willis Norton, also of the Willis Norton Co., died here of late. He had been active in the grain business here ever since he acquired an interest in Page-Norton & Co. back in 1881.

Moundridge, Kan.—Work on the new \$20,000 storage tank addition to the plant of the Moundridge Milling Co., under the direction of Chalmers & Borton, is progressing rapidly. This 105,000-bu. addition brings up the total storage to 230,000 bus.

Delia, Kan.—Anti-friction bearings have been installed on the corn sheller of the Delia Grain Co. These are proving so satisfactory that the company is installing the same type of bearing on the cleaner and will eventually have the entire plant so equipped.

Rossville, Kan.—I sold my interest in the Machin-Willig Grain Co. at Hebron, Neb., to C. P. Willig, to take the management of this elevator. Mr. Bolton, my predecessor, went to Colorado for his health.—F. C. Machin, mgr. Farmers Co-operative Elevator Co.

Arkansas City, Kan.—Alfred Snoden was recently supervising repairs to an engine in the plant of the New Era Milling Co., with which he is connected, and suffered injury to one eye as the result of an accident, which it is believed will not leave any permanent injuries.

Hudson, Kan.—Contract has been let and work started on a 75,000-bu. concrete grain storage addition, adjoining our present tanks. Completion to be about Dec. 10. This will make our total storage about 200,000. Jones-Hettelsater Construction Co. hold the contract.—Stafford County Flour Mills Co.

Simpson, Kan.—J. W. Shoffner is the new owner of the 100-bbl. water-power plant of the Simpson Milling Co. The plant has undergone a thoro renovating and overhauling since Mr. Shoffner took possession, Oct. 1, and is now in production. Mr. Shoffner is a well known operative miller of Kansas City.

Salina, Kan.—A new home for the Salina Board of Trade is proposed, judging from the consensus of opinion of its membership as reflected in a recent canvass made on this project. New quarters in the United Life Insurance Co.'s 10-story building, only a short distance from present headquarters, are the only ones suggested to date.

Horton, Kan.—W. J. Lowe is installing a dump in his elevator here.

Wichita, Kan.—A million bushel elevator project is under consideration by the Kansas Co-operative Wheat Marketing Ass'n, to be constructed before the movement of the next wheat crop. No property has as yet been purchased. The pool operates the Chicago & Alton Ry. Co.'s elevator at Kansas City and another elevator at Leavenworth, Kan., at the present time.

Solomon, Kan.—Star Engineering Co. hold the contract for a new 12-bin 25,000-bu. elevator for the Farmers Union Co-operative Business Ass'n, which is being erected on the foundation of the elevator this company lost by fire this July. The house will be completed as rapidly as is practicable. A Kewanee Truck Dump, a Western Sheller, and Eureka Cleaner, an 8-bu. Richardson Automatic Scale, Fairbanks-Morse Enclosed Motors, a modern distributor, and a Winters Head Drive to operate the elevator leg at the rate of 2,000-bus. an hour will be installed.

Larned, Kan.—George Kelsey is the new manager of the Pawnee County Co-operative Ass'n, succeeding Robin Brown. A recently completed report of the auditors showed a reported loss of \$8,000 on cash wheat transactions and \$5,600 on futures transactions. Other items brought a net operating loss from Jan. 1 to Aug. 15 up to \$20,744. It obviously became necessary for the directors to advance this much on which to continue business, in addition to collecting the \$17,000 in book accounts from side line sales. There was, as reported, no evidence of misappropriation of company funds.

HUTCHINSON LETTER.

Hutchinson, Kan.—Ground has been broken for the first unit of the C. D. Jennings 300,000-bu. elevator, which is being built by Chalmers & Borton on the site recently acquired as reported in the last number of the Journal. This unit is expected to be completed within 90 days.

Hutchinson, Kan.—The foundation is laid and rapid progress is being made on the 162-ft. concrete and steel headhouse of a terminal elevator being built here for the Grain Belt Elevator Co. by Chalmers & Borton. It will have storage space for 325,000 bus. when completed, and is expected to be ready for operation by Dec. 15.

Hutchinson, Kan.—An additional 275,000 bus. terminal storage was just lately contracted for by the Grain Belt Elvtr. Co. with Chalmers & Borton. The original contract let called for tank storage of 190,000 bus., and a headhouse with a capacity of 110,000 bus. This later agreement increases the original order by 85,000 bus. The work is under construction at the present moment. L. H. Pettit and G. D. Estes are the principal stockholders projecting this enterprise. The work will be completed by Dec. 15.

Hutchinson, Kan.—The Security Elvtr. Co. plans to materially increase the capacity of its elevator in time to come, and for this purpose has recently acquired the 35,000-bu. elevator and surrounding property of the Collingwood Grain Co., which site adjoins that of the Security Co., and would accommodate 3,000,000-bus. storage. At present, changes are being wrought in the Security terminal in the speeding up of the unloading equipment thru the installation of new equipment which is capable of doubling its car-handling capacity, to a total of 100 cars daily.

KENTUCKY

Springfield, Ky.—The entire plant of the Haydon Mill Co. is now electrically operated, the steam unit formerly requiring a larger staff of operators being discarded. The daily output of the mill is, as a consequence of this change, understood to have been increased at a savings all around.

Nicholasville, Ky.—The Nicholasville Milling Co.'s new plant is now completed and in operation. H. H. Reynerson and H. M. Sandusky, formerly of Harrodsburg, Ky., own the new enterprise. This city had a flour mill several years ago known as the Star Milling Co. A full list of side-lines are carried.

Greenville, Ky.—The number of pits for loading trucks has been increased and the storage space materially augmented at the plant of the Home Milling Co. Because of the greatly added facilities and consequent superiority in the matter of service it is understood that trade is attracted from several adjoining counties to the extent of over 500 patrons a week.

LOUISIANA

New Orleans, La.—A. D. Keller is now manager of the brokerage department of Benham & Co., Inc., having resigned as assistant manager of the grain and hay department of J. S. Waterman & Co., Inc., after five years association. As reported, Gordan Tonry succeeds Mr. Keller.

MARYLAND

BALTIMORE LETTER.

Ralph Kinnaird has applied for membership in the Chamber of Commerce.

C. Richard Martin, Jr., John P. Link and William P. Crumling were elected to membership in the Baltimore Chamber of Commerce.

Samuel G. Crocker, 84, fell and broke his hip recently. He is undergoing treatment and indications point to his recovery. He is the oldest member of the Baltimore Chamber of Commerce.

A third daily grain call, to be held earlier than the present two, is being proposed, to be held two hours prior to the first present call, or at 10:45. No change would be made in the eleven and one o'clock calls made on Saturday. During the week the last call is made at 2:15.

MICHIGAN

Durand, Mich.—The M. G. Holmes Bean Co. is now operating here with Clair Holmes of Oak Grove as manager.

Lansing, Mich.—M. G. Murphy, formerly with Isbell-Brown Co. here, is now connected with Chatterton & Son in their local office.

Harbor Beach, Mich.—Fire on Oct. 11, caused by an explosion resulting from combustion, slightly damaged the plant of the Huron Milling Co.

Bessemer, Mich.—Jacob Mannie is president, Charles Swanson is vice-president, and R. L. Bergeron is sec'y-treasurer of the newly organized stock company formed to take over its co-operative predecessor, the Farmers Milling & Elvtr. Co.

Eagle, Mich.—We have completely overhauled our elevator as reported in the last number of your Journal, and installed a new feed grinder and corn sheller. We have also changed the firm name to the Farmers Elevator Co. This is the only elevator at Eagle.—Farmers Elevator Co., successor to F. A. Balderson Co.

Constantine, Mich.—Present probabilities are that the Barr Brothers Mill, one of the famous landmarks which was almost totally destroyed by fire, as fully described in this column of the last number of the Journal, will not be rebuilt. Considerable delay was experienced in getting one of the town's two fire engine-pumpers to function properly, which failure undoubtedly cost the mill owners dearly.

McBain, Mich.—The McBain Grain Co. is completing the motorizing of its plant with motors and will discontinue entirely the engine power. All motors are to be located in fire resistive motor enclosures built of rigid asbestos lumber and reinforced concrete, which enclosures are to be ventilated to out-door air with a two-pipe ventilating system. A Haines Feed Mixer has also recently been installed.

Ann Arbor, Mich.—The properties of the former Michigan Milling Co. have been purchased from John Swisher & Co. by the Ann Arbor Implement Co. The three-story building and basement will be used as a warehouse and the purchaser's feed and grain business will likely be moved to the same place. The new owners will buy grain, thus establishing an advocated marketing place for farmer patrons.

Brown City, Mich.—About thirty-five grain and bean dealers held a meeting of the East Michigan Bean Ass'n earlier this month. Sanilac County Agent John D. Martin on "Agricultural Conditions in Sanilac" developed the fact that in spite of the virtual failure of the bean and beet crop that farmers were generally better off than they were last year. The development of the dairy and cattle enterprises was attributed as the reason. W. I. Biles, president of the state ass'n, gave a splendid address on the efforts of the state organization to aid the industry. Frank McGunegle of Snover discussed the buying of grain, beans and hay. Another meeting is scheduled for Nov. 1.

Athens, Mich.—The Athens Mill & Power Co. is installing a new feed milling unit in its plant, to replace one which was blown into fragments with such force that holes were torn in the floor by flying pieces and the mill reduced to scraps. Fortunately the operator was not near the mill at the time so escaped injury. Explosion of grain dust, set off by a spark caused by a piece of tramp iron getting into the mill, is given as the cause.

Vernon, Mich.—A new elevator being built here by Chatterton & Son of Lansing, is nearing completion. Elevator line shafts thruout are equipped with Hyatt Roller Bearings and the individual cleaners and other machines are equipped with ball bearings. A direct connected Gruendler Hammer Mill, powered with a 50-h. p. Louis Allis, fully enclosed, self-ventilated motor is being installed to handle the custom feed grinding. This mill will also be equipped with a built-in magnetic spout at the head of it to take out tramp iron. All other motors in the plant will be fully-enclosed, self-ventilated type, equipped with anti-friction bearings. A Sidney Ball-Bearing Manlift is installed. The elevator will have 20,000-bus. capacity, with a 24x70 ft. warehouse in the rear. This is the only elevator Chatterton & Son operate here.—F. A. Tobey, mgr.

Flint, Mich.—The Peninsular Milling Co. suffered a \$12,000 fire loss in a midnight blaze which did \$200,000 damage in sweeping thru a portion of the industrial section of Flint on Oct. 7. This loss was on grain and other merchandise stored in a four-story and basement brick manufacturing building, which was cut off from the main building by a fire-wall. The milling company had fitted up some concrete drying kilns for grain bins and had installed an elevator leg. The bins contained about 8,000-bus. of grain, and there was a small amount of other merchandise on the different floors of the building. The section of the building where the fire originated was entirely destroyed, and the fire-wall between the two buildings was destroyed.

MINNESOTA

Annandale, Minn.—The Farmers Co-operative Elevator Co. has just built a new three-bin coal shed.

Sleepy Eye, Minn.—A new 10-ton truck scale has been installed at the plant of the Farmers Elevator Co. by the T. E. Ibberson Co.

Erhard, Minn.—The Farmers Elvtr. Co. has added the retail coal business of a local concern to its assets, side-lines and merchandising outlets.

Odessa, Minn.—General repairs and a scale installation has been completed in the plant of the Geo. C. Bagley Elevator Co. by the T. E. Ibberson Co.

Kasota, Minn.—The Banner Grain Co.'s "Kasota Elevator" is now the property of the Sheffield Elvtr. Co., of Minneapolis. This mixing elevator has 150,000-bus. capacity, and is being completely overhauled to assure perfect operation.

Rushmore, Minn.—We have torn down one of our old elevators and are erecting a new and modern plant. The contract for building was let last July when work was started. The new plant is expected to be completed by Nov. 1.—Farmers Grain & Supply Co.

Willmar, Minn.—The Willmar Dairy & Trading Co., Inc., was recently incorporated with a capital stock of \$50,000, to buy, sell and otherwise deal in grain, feeds, seeds, dairy products, etc. The incorporators are Martin C. Hansen of Waseca, George J. and Joyce E. Hansen of Willmar.

Lake City, Minn.—The reported sale of the Hunting elevator in this city some time ago evidently proved a "false alarm," as the deal was not completed. Earlier this month John B. Cain, manager of the Hunting Co.'s local business for the past two years, received orders from headquarters to re-open the elevator and resume the buying of grain the same as before.

Westport, Minn.—As reported, I bought the J. Borgerding & Co.'s 20,000-bu. elevator here. I will operate same under the name of the E. H. Pfeningr Elevator, and handle grain, feed, coal and flour. The plant has 11 bins, a 5-bin coal shed, and a feed and flour storeroom in connection. I will manage the business. I was manager of the Farmers Elevator at Sedan.—E. H. Pfeningr.

Bertha, Minn.—The mill here has discontinued operations.

Foxhome, Minn.—"Bill" Christie has resigned his position as manager of one of the three grain elevators here.

Badger, Minn.—The Equity Co-operative Exchange, which succeeded the Farmers Elevator Co. here, has its elevator here closed this season, due to a lack of business resulting from a wet summer which drowned out the crops.

DULUTH LETTER.

Walter Van Brunt, 33, one of the incorporators of the Duluth Board of Trade and one of the city's earliest settlers, died Oct. 4.

R. F. Straub of New York has applied for membership in the Duluth Board of Trade. He is the vice-pres. of the Bunge North American Grain Corporation of New York.

C. H. Peterson has applied for membership in the Duluth Board of Trade, and will open an office here for the Bunge North American Grain Corporation of New York. Mr. Peterson was at one time located in Minneapolis, however, of late he was associated with the American Linseed Co. in New York.

Fees paid for obtaining samples of grain for the Federal Supervision Department to determine appeals must be borne by the shipper and not by the commission house as in the past. This ruling was passed by the directors of the Duluth Board of Trade to correct an abuse that has placed an unjust burden upon the receiver.

Colonel C. H. Graves passed away at his home in Santa Barbara, Calif., earlier this month. He was the last living soul who participated in the incorporation of the Duluth Board of Trade. In his earlier days Col. Graves was associated with the elevator interests of this market. At one time he also was the mayor of this city, was also a member of the state legislature, as well as an ambassador to Sweden during Col. Roosevelt's administration. He likewise served in innumerable other important and prominent capacities.

The Farmers Union Terminal Ass'n of St. Paul, Minn., was elected to membership in the Duluth Board of Trade after much opposition. The membership is issued in the name of A. G. Webber. The Co-operative has applied for membership for over a year, but because of its financial condition and methods of doing business the directors did not choose to recognize its application. The St. Paul outfit than appealed to Sec'y Jardine, who insisted that to disqualify them from eligibility to membership was in violation of the Grain Futures Act.

Marshall J. Fearer, 70, formerly connected with the grain trade of Duluth, died quite unexpectedly here on Oct. 11, while visiting his son Joseph C. Fearer. For the past five years he lived in Uniontown, Pa. Mr. Fearer was regarded as a crop expert of exceptional ability and was formerly with the Cargill Elevator Co. of Duluth, the American Linseed Co., B. E. Baker, Thomas H. Gibson and Stephen H. Jones, all Duluth grain men. He served many years with the Minnesota state grain inspection department under an appointment from the late Governor John A. Johnson. Two sons, Joseph C. and Floyd M. Fearer, survive him.

MINNEAPOLIS LETTER.

Herman Jeub is wearing his arm in a sling, having suffered an accident in a motor collision.

Frank T. Heffelfinger, B. B. Sheffield and D. D. Davis were recently chosen to serve on the directorate of the Minneapolis Civic and Commerce Ass'n.

Dan Stewart is now soliciting for us in North Dakota. He was formerly an auditor for the National Elevator Co. He has headquarters at Devils Lake, N. D.—Hoover Grain Co.

Horton & Co., Inc., has incorporated with a capital stock of \$10,000, to deal in grain and agricultural products. The incorporators are L. E. and Elsie Horton and M. H. McDonald.

Marcus Johnson, 79, died at his home in Minneapolis on Oct. 19. He was president of the Foley (Minn.) Mill & Elevator Co. and of the Crookston (Minn.) Milling Co., and in addition formerly operated plants at New London and Atwater, Minn. Mr. Johnson had served in the state house of representatives and senate, and as internal revenue collector at St. Paul in President Harrison's administration, which post he held a second time in 1910. It was just of late that he removed here, having married about a year ago. His widow, a brother and a sister survive him.

A \$15,000 concrete storage addition is now under construction on the terminal elevator of the Osborne-McMillan Elevator Co. This brings up the total storage capacity to 1,860,000-bus.

Foundation work was recently completed in the reinforced concrete construction of the new 1,000,000-bu. fireproof elevator on the "Milwaukee" Road. Fegles Construction Co. is building the \$100,000 plant for the Banner Grain Co. The work will be rushed to completion by Dec. 1.

The durum handling equipment of the Capital Flour Mills, Inc., St. Paul, Minn., will be entirely rearranged, following the completion of a 26-foot five-story addition now nearing completion to the main mill. New wheat washing devices and other modern additions will also be installed to improve the facilities of the plant.

Washburn Crosby's "A" mill, recently destroyed in a reported \$500,000 fire, will be rebuilt on the same site with four modern storage and milling units. Barnett & Record hold the contract for the construction of and have started building a 200,000-bu. concrete elevator which is to adjoin and serve the rebuilt mill. The reconstructed milling unit will contain equipment for a feed mill, new rye mill and new durum mill, as well as warehouse space.—P. G. P.

While it is true that the Washburn-Crosby Co., Royal Milling Co., Rocky Mountain Elevator Co., Red Star Milling Co., and Kalispell Flour Co., all Minnesota corporations which on July 11 transferred their assets and property to the General Mills, Inc., hearings on the dissolution of which occurred last month immediately followed by such proposed action, new corporations have been organized under Delaware laws bearing the same name. These new corporations are to continue the operations carried on by the predecessor companies. None of the plants will be operated under the firm name of General Mills, Inc., whose general offices, it might be stated, are in Chicago. The revised list of officers and directors are as follows: James F. Bell, president; F. M. Crosby, vice-president; Donald D. Davis, vice-president and treasurer; P. D. McMillan, vice-president; H. A. Bullis, sec'y and comptroller; and these directors (including the above officers except Messrs. McMillan and Bullis): C. C. Bovey and John Crosby, Minneapolis; F. F. Henry, Buffalo; Roger S. Hurd, Wichita; Frank J. Morley, Minneapolis; Harry G. Randall, Kansas City; S. A. Russell, New York, and J. W. Sherwood, Great Falls. The Rocky Mountain Elevator Co. operates 47 country elevators in Montana and the Red Star Milling Co. operates 20 country elevators in Kansas and 4 in Oklahoma.—G. C. Ballhorn, Chief Accountant, General Mills, Inc.

MISSOURI

Irwin, Mo.—The Lipscomb Grain & Seed Co. is installing a Sidney Roller Bearing Combined Sheller and Boot.

Old Monroe, Mo.—W. H. Dyer and Charles R. Clemmons have incorporated the Old Monroe Elevator Co. here.—PJP.

Springfield, Mo.—A No. 4, type W, direct-connected Jay Bee Hammer Mill has been installed by the Lipscomb Grain & Seed Co.

Shelbyville, Mo.—The Farmers Elevator Co. has its new feed grinding equipment and storage addition completed and in full operation.

Unionville, Mo.—The Farmers Co-operative Co. plans to rebuild its plant, which was destroyed in a \$75,000 fire during the past summer.

Tarkio, Mo.—The Lowe Elevator is installing a Bender Overhead Electric Truck Dump and is doing some building and remodeling work. Younglove Engineering Co. is doing the work.

Brunswick, Mo.—The Brunswick Elevator is the name under which T. J. McNabb, a former resident here, will operate the elevator taken over from the management of T. Miller & Co. All of the side-lines will be continued.

Sturgeon, Mo.—Chas. W. Dudley of Auxvasse has become manager of the Sturgeon Elevator Co., replacing John R. Harper, who now manages the Pollock Mill & Elevator Co. at Mexico, Mo., as reported in a previous number of the Journal.

St. Joseph, Mo.—The members of the St. Joseph Grain Exchange held a meeting and dinner at the Highlands Golf and Country Club late last month. New members were called upon for talks. About forty were present.—Nelson K. Thomas, Sec'y.

Wilcox, Mo.—G. A. Sallee is now owner of the elevator which for the past seven years was in the possession of the R. M. Van Ness Construction Co. The plant had been idle for some little time. Side-lines are rapidly being added and new coal sheds built, a new feed grinding outfit installed and an oil station established.

KANSAS CITY LETTER.

Midland Flour Milling Co. has installed a No. 4, type W, direct-connected, Jay Bee Hammer Mill.

One of the cylinder heads in the power plant of the Zenith Milling Co. "blew" earlier this month, necessitating a shutdown.

John Vesecky was lately elected to membership in the Board of Trade. He is president of the Southwest Co-operative Wheat Marketing Ass'n.

Benjamin C. Moore left earlier this month for a three-months sojourn abroad. Mr. Moore has not enjoyed the best of health of some time. He is president of the Moore-Seaver Grain Co.

A western transit warehouse has been opened here by Chatterton & Son of Lansing, Mich. It will be largely used in handling beans from buying stations in Colorado, Idaho, California, Montana and Wyoming.

Frank N. Noonan has closed the office he operated here for the International Milling Co., and returned to Minneapolis. He will remain there for at least the duration of the present crop movement of the Northwest.

Ed. F. Emmons and Miss Elizabeth O'Bannon were married in Kansas City on Oct. 17, leaving immediately on their honeymoon trip through the east. Mr. Emmons is manager of the milling wheat department of Simonds-Shields-Lonsdale Grain Co.

The report you have of the recent consolidation of the R. J. Thresher Grain Co. with the Vanderslice-Lynds Co. is correct, Mr. R. J. Thresher connecting himself with our company as floor man. There will be no change in the personnel of the company.—Orla A. Severance, vice-president-treasurer, Vanderslice-Lynds Co.

Fifty-five members of the Drum and Bugle Corps of the Chicago Board of Trade Post of the American Legion, stopped off here en route to the National Convention at San Antonio, Tex. The boys, many of whom are themselves members of the Chicago exchange, gave a concert at the close of the market. A handsome brochure named "Thru Three Wars," giving a brief history of the Chicago Board, as well as an illustration of the proposed home, was passed around.

George H. Davis won first prize in the annual golf tournament held on Columbus Day, Oct. 12, by the membership of the Board of Trade. Mr. Davis is pres. of Davis-Noland-Merrill Grain Co. Clarence M. Hardenbergh and Fred Houser tied for second place, while Gunnard Johnson of Wolcott & Lincoln, Inc., carried off the honors for the lowest net score on the first nine, and Al Trautwein did the same for the second nine. Cort Addison, K. G. Irons, Harry Stevenson, E. C. Lorton and D. K. Wickard all tied for blind bogey.

T. J. Brodnax, chairman of the subcom'te of the waterways com'te of the Kansas City Chamber of Commerce, recently held a meeting to consider location of a municipal wharf for use by the proposed line of the Inland Waterways Corp. Among the major projects considered is the interest of an individual or corporation in erection of a municipal grain elevator to cost about \$1,000,000, it being contrary to the policies of the Waterways Corp. to permit any one organization to "corner" the business on grain shipments, or to operate barges into a city where there are only privately owned wharves. Bonds have been voted to begin the project and location of a site is next in line.

ST. LOUIS LETTER.

St. Louis, Mo.—Operation of the Herman F. Wright Mills, Inc., across the Mississippi River at a nearby Illinois point is now in full swing. Headquarters are maintained here in the Merchants Exchange.

St. Louis, Mo.—A protein laboratory under the supervision of the Merchants Exchange was sanctioned by a recent two-thirds-vote of the membership. It will not be obligatory to use this service, but these facilities will be in readiness to serve whomsoever may so desire. All nature and manner of tests will be conducted.

St. Louis, Mo.—Sardius Smith, 92, a former grain dealer, died at his home in Joplin, Mo., last month. He embarked on his career in the grain business in 1872. Two sons and two daughters survive him.

A Com'te was appointed to further speculative trading in the St. Louis market, consisting of J. H. Chilton, W. J. Edwards, H. H. Beckman and F. H. Barclay at the dinner and meeting of the St. Louis Grain Club, as the direct response to suggestions made by Sec'y C. B. Rader, principal speaker of the occasion, who spoke on the affairs concerning the Exchange, making recommendations for the betterment of trading conditions and for increasing interest in the market.

MONTANA

Stevensville, Mont.—The Stevensville Flour Mills Co. now has C. A. Posey as general manager.

Hilger, Mont.—The Montana & Dakota Elvtr. Co. has had a number of repairs made on its plant here and a 15-h. p. engine installed.

Canby, Mont.—The Canby Farmers Grain Co., of which O. W. Nygren is manager, has just completed the installation of ten additional coal bins.

Glasgow, Mont.—Goodwin Joselowitz has received the appointment to conduct the proposed wheat testing laboratory to be established here by the State.

Lewistown, Mont.—The cupola of the elevator of the Farmers Elvtr. Co. was slightly damaged by fire on Oct. 12, resulting from a spark from a switch engine.

Harlowton, Mont.—A joint federal and state grain testing laboratory is to be established here for utilization by both the grain dealer and the farmer.

Glendive, Mont.—The State Department of Agriculture has established a fully-equipped grain testing laboratory here in charge of James Aitkin of Great Falls.

Harlem, Mont.—The Equity Co-operative Ass'n has had considerable new equipment installed and repairs made to its elevator here. T. E. Ibberson Co. did the work.

Noble, Mont.—The old cleaner in the plant of the Fairview Mill here has been discarded and thrown out. The working floor is being leveled and a 7½ h. p. single phase motor installed.

Rimroad, (Circle p. o.), Mont.—The Eastern Montana Elvtr. Co. is building an elevator here. This is not to be confused with the similar activities recently reported for the International Elvtr. Co.

Brockton, Mont.—The Farmers Elvtr. Co. here has made extensive repairs and improvements about its plant. New legs and other equipment were added. The T. E. Ibberson Co. had the contract.

Bainville, Mont.—The Fairview Mill Co. has installed a 7½ h. p. and a 2 h. p. Fairbanks-Morse motor, the former being used to operate a head shaft through the medium of a Morse Silent Chain Drive, and the smaller motor being utilized to operate a compressor.

Great Falls, Mont.—The Montana Elvtr. Co. has incorporated with \$500,000 capital stock. This is virtually a renewal of the company's charter. Incorporators are Charles R. McClave, W. N. Smith, Rodney J. Anderson and Samuel Stephenson, of Great Falls, and O. W. Belden of Lewistown.

NEBRASKA

Jansen, Neb.—A No. 2 Jay Bee Hammer Mill has been installed by the Jansen Milling Co.

Burruss, Neb.—The S. H. Manning Grain Co. has just installed an electric truck lift and a new scale.

Wood River, Neb.—A Winter Pneumatic Truck Dump has been installed in the elevator of the Thelen Grain Co.

Gothenburg, Neb.—A Winter's Truck Dump has been installed by the Farmers Co-operative Ass'n in its elevator here.

Elk Creek, Neb.—A. E. Miller has purchased the W. R. Waidely Elevator. Mr. Miller now operates both elevators here.

Chappell, Neb.—The Lexington Mill & Elevator Co. has just taken on a complete line of feeds as an additional side line.

Cody, Neb.—A new electrically driven cleaner was recently installed in the elevator of the Barstow Grain Co. Joseph Whyte is agent.

Farwell, Neb.—The Farmers Co-operative Grain & Supply Co. has installed a No. 3, type UX Jay Bee Hammer Mill for feed grinding.

Johnson, Neb.—The Duff Grain Co.'s elevator has undergone extensive repairs and much new equipment installed preparatory to operation this fall, by Glen Harkins.

Thurston, Neb.—The Farmers Grain Co. is having a Bender Electric Overhead Traveling Truck Dump installed in its elevator by the Bender Hoist Manufacturing Co.

Creston, Neb.—W. J. Langan resigned as manager of the Nye & Jenks Grain Co.'s elevator here. He removed to Blencoe, Ia., where he operates another plant under lease.

Filley, Neb.—We recently installed a pneumatic truck dump and a 10-ton truck scale. We expect to build a small addition to our elevator this fall.—Farmers Co-operative Co.

Clearwater, Neb.—A 10-ton scale to handle heavy trucks is among a list of improvements made in the remodeling and rebuilding program being carried by the Nye & Jenks Grain Co.

Inland, Neb.—P. W. Korgan of Trumbull is now in charge of the elevator which Edward Schuck of Harvard acquired last fall, but which is now the property of Mr. Brooking of Hastings.

Oakland, Neb.—The local elevator of the Holmquist Grain & Lumber Co., with headquarters located here in Oakland for all 16 houses which are operated, will renew its distributor. This 60,000-bu. house has been in continuous operation since 1881.

Arapahoe, Neb.—I am now manager of the Farmers Grain Co., having been appointed to this position for this firm to succeed the late Mr. W. S. Curry, who died. It is just lately that I have taken active charge. No mechanical improvements are contemplated.—Ralph A. Murdock.

Omaha, Neb.—The Silver Anniversary Convention of the Nebraska Farmers Grain Dealers Ass'n will be held at the Hotel Rome, Omaha, Neb., on Oct. 30-31 and Nov. 1. Manager's Day will be Oct. 30 this year. A large turnout is anticipated. J. W. Shorthill is sec'y of this ass'n.

Omaha, Neb.—The Omaha grain trade contributed \$5,288.50 to the "Community Chest," a charitable medium through which the poor and needy are cared for. The large insurance companies and several other large companies in the Grain Exchange building also contributed liberally to this worthy cause.

Winnebago, Neb.—W. G. Whitted succeeds D. A. Beckner as manager of the elevator operated by the Watson Grain Co. Mr. Whitted was formerly in charge of the company's lumber yard business here. Mr. Beckner, who had been manager of this house ever since this company acquired same, is now located in Walthill, Neb.

Good progress is being made by the Nebraska Ass'n of Grain Elevator and Mill Operators. Local meetings are being held at various points about the state and the membership for the state ass'n is steadily increasing. The directors held their last meeting in early September and have another one scheduled for Oct. 31, in Omaha, at which time further plans will be studied for the benefit of the Nebraska grain dealers. No general state meeting will be held this year, it being generally felt that this might better wait over until next spring.

Omaha, Neb.—Work on the new Illinois Central 1,250,000-bus. elevator is progressing rapidly, concrete pouring for the foundation being completed. The Crowell Elvtr. Co. will operate this terminal upon completion. Equipment includes a 1,500-bu. Hess Direct-heat Drier, a Link-Belt Car Unloader capable of unloading 14 cars an hour, separators, washers, clippers, bleaching machines. This will be one of the most up-to-date terminals in the country when completed. The railroad has acquired ample property to permit expansion to 4,000,000-bu. storage.

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NEW ENGLAND

Central Falls, R. I.—Stebenne Bros., Inc., was recently incorporated by William J., Eugene A. and Felix S. Stebenne, with a capital stock of 150 shares common no-par value stock, to deal in grain, hay, etc.

Ware, Mass.—William N. Howard, active grain dealer of New England, as well as president of the grain and feed dealers organization of that territory, was manager of the recent Barre Annual Fair, one of the most successful in New England.

Lewiston, Me.—The damage resulting from the demolishing blaze sweeping the properties of the J. B. Ham Co., has been fully repaired and the main plant rebuilt and equipped with up-to-date equipment throughout. Some thirty merchandising stores are operated by this progressive firm in Central Maine.

Belchertown, Mass.—Insurance on the reported fire loss suffered by Ryther & Warren on Sept. 28 brings the loss to the company down to \$10,000. The elevator and mill were practically destroyed in the \$50,000 blaze, which also swept thru twenty carloads of feed. During the interim until the present rebuilding and reconstruction work can be completed, the branch at Enfield, Mass., is caring for business requirements.

Boston, Mass.—The "Boston Trophy," a large silver loving cup, won by W. H. Mitchell, Jr., with a score of 89 at the golf tournament held here as one of the many entertainment features provided for the Grain Dealers National Ass'n convention, was recently placed on display at the Boston Grain and Flour Exchange. These hospitable Bostonians presented this trophy to the "National" to be offered as a golf prize each year until one man won it twice, when the beautiful cup then becomes his property.

NEW YORK

Hector, N. Y.—A new vertical mixer was just installed by Wright Bros.

Lyons, N. Y.—The Vanderveer & Coleman, Inc., plant was slightly damaged by fire on Oct. 16.

Hartwick, N. Y.—A large corn cutter is being added by Bert McIntosh to accommodate an increased tonnage.

Cayuga, N. Y.—A No. 4, type W, direct-connected Jay Bee Hammer Mill has been installed in the plant of the Beacon Milling Co. here.

Randolph, N. Y.—Improvements in coal handling facilities are under way for the Brown Milling Co., large grain, feed and coal dealers here.

Van Hornesville, N. Y.—James L. Hagar is pres.-treas., Eugene Eutermarks the vice-pres. and Leonard B. Moore the sec'y of the Van Horne Mills, Inc., a new firm operating the business formerly run by Otis Harrard.

Lyndonville, N. Y.—The Yates Milling Co. had its safe blown by yeggmen recently. They obtained \$3,000 in cash and notes for their trouble, but overlooked some \$5,000 cash in a nearby strong-box in their haste to escape when an alarm was sounded by a railroad watchman and frightened them away.

BUFFALO LETTER.

A consignment department has been opened under the management of Dan A. Southwell, by the Consolidated Feed & Grain Co. Mr. Southwell was formerly connected with the Eastern Grain, Mill & Elevator Corp. here.—Elliot W. Mitchell, pres. Consolidated Feed & Grain Co., Inc.

Randolph Driers are being installed at present in the 36x47x115 foot reinforced concrete washing and drying plant, located between the 3,000,000-bu. elevator and the new mills for the Hecker-Jones-Jewell Milling Co. A. E. Baxter Engineering Co. let contract for this unit to the James Stewart Corporation. This will be the first plant in the country to have a separate building for the purpose of washing and drying, and it will be capable of handling 50,000 bus. per day. Several large bins above the washers for receiving the wheat and two large bins for receiving the wheat from the washers to be above the Randolph Driers are called for in the plans. The project is to be completed by Nov. 20. The storage tanks are completed and busy taking in grain with most modern equipment.

Roy V. Craig was lately elected to membership in the Buffalo Corn Exchange.

William E. Maloney is the new traffic commissioner of the Buffalo Corn Exchange. The Traffic Managers Comite held a meeting on Oct. 9.

The final Buffalo Corn Exchange Golf Tournament of the season was lately held at the picturesque Country Club at Cherry Hill, Ont. Edgar Black won the Corn Exchange trophy and Basil Burns took away the silver cocktail shaker which were added prizes in this climaxing event. A large banquet followed.

NEW YORK CITY LETTER

A recent membership transfer was consummated at \$18,500. An associate membership changed hands of late at \$13,500.

The New York Produce Exchange bowling league opened its season on Oct. 18 with 35 members present for the pre-practice dinner.

It is understood that the Grain Growers, Ltd., a Canadian grain exporting house, has discontinued activities in the export business in this market.

According to last-minute dispatches, Leo M. Blancke, William P. Walker and Thomas J. Crerar all applied for membership in the Produce Exchange.

The membership of the American Linseed Co. in the Produce Exchange has been transferred to Benjamin F. Nelson, Jr., from James M. Ferguson. Mr. Nelson was of late elected to membership.

The New York Agency of Spillers, Ltd., London grain exporting house, has been taken over by the head office, the name to be changed to that of the parent organization. Edward S. Galloway is pres., Harold B. Atkins, vice-pres., and George B. Schold the sec'y-treas.

Because of the partitions and other alterations lately made on the floor of the New York Produce Exchange to accommodate trading in securities, the practice of entertaining the poor children at Christmas time will be discontinued, out of necessity. The circus, which was presented for a number of years, took all the room available.

Applications for membership in the New York Produce Exchange are posted for Thomas Bennett of James E. Bennett & Co., of Chicago and New York, William Walker, A. J. Van Stolk, Milton A. Diner, Norman T. Bolles, Arthur Isaacs, Barry Levy and Charles E. Judson. Application for associate memberships is posted for Max Sondheim.

Walter G. Munn is now engaged in the commission business on his own account. He resigned from regular membership and was recently elected to associate membership. Mr. Munn was of late manager of the New York office for Lamson Bros. & Co., of Chicago, and was succeeded by Joseph H. Mathews. Guy C. Hamilton was promoted to the vacancy of assistant manager left by Mr. Mathews.

Shortly after the first of November it is expected that trading in unlisted securities on the floor of the Produce Exchange will be well under way. The northwest corner of the trading floor has undergone a complete remodeling. A number of trading posts, closely resembling those employed on the floor of the New York Stock Exchange, are completely fitted for the greatest practicability and availability. Some 200 telephone facilities assure lightning service.

Trading rules for the new securities market will be presented before the Board of Directors of the Produce Exchange before the end of this month. These rules are being drawn with utmost care and precaution that every transaction will be completely safeguarded by the very completeness and comprehensiveness thereof. Some 240 stocks will be traded in. In addition, an inactive list of stocks will also be dealt in as demand warrants. Ticker service will ultimately be furnished.

Franklin D. Mallory, Walter D. Straub, John W. Hanes, Herbert C. Heller, Percy E. Boas, Hiram W. Taylor, Jr., and Carlton D. Farroll have been elected to membership in the New York Produce Exchange. It is believed this unusual activity in the matter of purchasing memberships is the direct result of the inauguration of a market for trading in "over-the-counter" securities. Henry J. Dahl resigned his regular membership and was elected to associate membership.

NORTH DAKOTA

Rolla, N. D.—A new grain cleaner was lately installed in the Elliott Elevator.

Carrington, N. D.—The Wheat Pool Elevator is now managed by S. K. Lillethum.

Crete, N. D.—A Winter Truck Dump has been installed by the Crete Cooperative Grain Co.

Bottineau, N. D.—The Bottineau Mill has been dismantled by the power company, new owners.

Merricourt, N. D.—The Martin Elvtr. Co. has just installed a new 10-ton Fairbanks-Morse Scale and dump.

Zap, N. D.—The Farmers Co-operative Co. will install Winter Universal Elevator Drives in its elevator here.

Tasco, N. D.—Repairs have been made to the Minnetka Elvtr. Co.'s elevator here by the T. E. Ibberson Co.

Ashley, N. D.—J. J. Weixel of Eureka, S. D., purchased the H. H. Drews Elevator and I am in charge.—A. W. Brosz.

Bentley, N. D.—D. J. Greve, son of H. J. Greve, is now representing the F. N. Davies Co. of Minneapolis in this territory.

Burnstad, N. D.—The Logan Grain Co. has just equipped its elevator with G-E motors and a new Strong-Scott head drive.

Adams, N. D.—The Minnetka Elvtr. here is being repaired by the T. E. Ibberson Co. New motors and drives are being installed.

Manson (Rolla p. o.), N. D.—Ole Gremsgard, Jr., of Rugby, is now the manager of the Manson Elevator, succeeding Thomas Conlin.

Sentinel Butte, N. D.—The Farmers Elvtr. & Trading Co. has just completed a thoro renovating and repairing program on its plant.

Tuttle, N. D.—The Lybeck Grain Co. has had Winter Universal Elevator Drives installed in its elevator here by the Hogenson Construction Co.

Antelope, N. D.—A box car that jumped the track knocked the plant of the Rugby Mill & Elvtr. Co. off its foundation. A coal shed was also badly demolished.

Tolley, N. D.—The Farmers Grain Co. was of late incorporated with a capitalization of \$25,000 by L. S. Butte, Andrew Olson, R. L. Ladd, Nels Swanson and August Angeborg.

Perella, (Northgate, p. o.), N. D.—King Grain Co. of Minot is having the Hickok Construction Co. make repairs and improvements in the handling equipment of the elevator.

Tuttle, N. D.—Two Winter Universal Elevator Drives have been installed in the elevator of the Farmers Educational & Co-operative Union Elvtr. Co. by the Hogenson Construction Co.

Loma, N. D.—I have remained in charge of the elevator for the new owners, the National Elevator Co., who recently bought out the Spaulding Elevator, as reported.—George Christensen, agt.

Brinsmade, N. D.—Rapid progress is being made on the repairs and improvements being made in the Ira Bingman Elevator by the T. E. Ibberson Co. and it is expected to soon be back in operation.

Des Lacs, N. D.—The Farmers Co-operative Elvtr. Co. has recently completed extensive improvements on its plant, in the form of repairing the legs, respouting and the installation of electric motors.

Kuroki, (Westhope, p. o.), N. D.—Fire originating in the cupola, Oct. 7, evidently caused by choke up, totally destroyed the elevator of the Kuroki Elvtr. Co. The loss was fully covered by insurance.

Bottineau, N. D.—Thomas Conlin is now manager of the St. Anthony & Dakota Elvtr. here, succeeding W. C. Dargan, who has resigned after 35 years of continuous service. Mr. Conlin comes from Rolla.

New England, N. D.—Herbert W. Gentz, 33, manager of the Farmers Elvtr. Co., died suddenly at his home a few days ago from heart disease. He had been ill for several days, but his condition was not considered serious.

Glasston, N. D.—A scale and dump were lately installed in the plant of the Monarch Elvtr. Co. This company and the National Elvtr. Co. Both let contracts for repairs and general improvements, including a small amount of remodeling.

Belfort, N. D.—The government-owned \$10,000 flour mill for the Indians has commenced operations. The plant has an output of 50 barrels of flour daily on a 24-hour basis, according to a statement by James M. Hyde, supt. of the reservation.

New members in Sec'y "Pete" Lee's live-wire organization, the North Dakota Grain Dealers Ass'n, include: Equity Co-operative Ass'ns at Wolf Point, at Poplar and Hinsdale, Mont., and the Farmers Elevtr. Co.'s at Opheim, Sco-bey and Redstone, Mont.

Hamar, N. D.—We have installed a new big Carter cleaner, a new Type "Y" Fairbanks-Morse Engine, and added a new extra elevator leg with a high speed capacity. We are boasting a fairly up-to-date plant.—Oscar Tassett, Mgr., Hamar Co-operative Elevator Co.

Devils Lake, N. D.—Dan Stewart is now soliciting for the Hoover Grain Co., of Minneapolis, covering the eastern part of North Dakota and the northwestern section of Minnesota. Mr. Stewart was formerly auditor for the National Elevtr. Co., with his headquarters here.

Minot, N. D.—The Farmers Co-operative Elevtr. Co. has recently completed remodeling and repairing its plant, which was damaged this summer and the foreman killed when he started a motor preparatory to unloading gasoline. His assistant was badly burned, it will be remembered, as a result of the explosion which followed the starting of the motor mentioned.

Grafton, N. D.—All bids for the Grafton Roller Mill properties, which was to have been sold to the highest bidder on Oct. 6, were rejected by Fred M. Hector, Fargo, N. D., trustee. Fifteen bids were submitted for different units of the plant, but none for the plant as a whole. The plant, which was for more than 40 years the largest single industrial enterprise in northeastern North Dakota, filed a petition in voluntary bankruptcy in June of 1927, when one of the banks of Grafton closed its doors.

Fargo, N. D.—The correct date of the eighteenth annual convention of the North Dakota Grain Dealers Ass'n is Feb. 5 to 7, as your Journal has had it and not otherwise as published elsewhere. We are looking forward to a big turn-out and, while we do not know what side-trips are going to be available, we would not be surprised one bit if they do not plan a trip to Winnipeg. If they do, most likely I will make the trip as surely they will need one sober fellow to help out.—Hon. Oscar H. Kjolrie, Magill & Co., Charge d'affaires com'ite member.

Devils Lake, N. D.—There has been no change in management of the grain elevator and flour mill. Milton Kelly, who has been employed by the company for a number of years, is now a stockholder and was recently elected treasurer thereof. He has also recently taken over the management of the fuel and feed business. Our business has grown to the point where it was impossible for one man to give all the different departments the attention that they required, hence the addition of Mr. Kelly, in the above stated capacity.—E. W. Breakey, Pres., Farmers Mill & Elevtr. Ass'n.

OHIO

Shandon, O.—The Shandon Milling Co. is installing a No. 4 "W" Jay-Bee Hammer Mill.

Mason, O.—F. A. Hudson Feed Co. is putting in a Jay-Bee No. 2 "E" direct-connected mill.

Sardinia, O.—The Sardinia Flour Mill was bought in at auction by E. L. Druhot and Chris Hanselman.

Warren, O.—The Consumers Feed & Supply Co. are installing a Jay-Bee No. 2 Type "S" direct-connected mill.

Kalida, O.—The Odenweller Milling Co. is installing a Haines 1-ton Feed Mixer supplied by the Grain Machinery Co.

Columbus, O.—The fall meeting of the Ohio Millers State Ass'n is to be held here on Nov. 21, commencing with a luncheon.

Germantown, O.—F. S. Durr is installing a hammer mill and other equipment furnished by the Sidney Grain Machinery Co.

Maplewood, O.—Clayton & Leininger are joint managers of the Pence Grain Co. Kirby Threlkeld was manager until the first of the year.

Bryan, O.—Poast & Dawson are installing a No. 3 Jay Bee Hammer Mill.

Leipsic, O.—P. W. Davis has installed a No. 3 direct-connected Jay Bee Hammer Mill.

Cardington, O.—J. G. Mills is installing a direct connected Bauer Attrition Mill operated by a 50 h. p. motor, and having a Bauer Feeder attached.

Greenwich, O.—Greenwich Mill & Elevtr. Co. is installing a Sidney Vertical Feed Mixer, a Sidney Roller Bearing Corn Sheller and other equipment.

Ney, O.—Contract was let by the Ney Co-operative Co. to the Sidney Grain Machinery Co. for a complete feed plant, including a 60-h. p. hammer mill, Sidney Roller Bearing Sheller, feeders, one-ton mixer and other equipment.

Holgate, O.—"My funniest experience as elevator manager" was the order of the day at the regular monthly meeting held here earlier in the month by the Northwest Ohio Farmers Grain Dealers Ass'n. William Kemmer of Hamler presided.

Bethel, O.—The H. W. Dillman Flour Mills, Inc., recently became the property of the Ohio Farm Bureau Corporation. Possession was taken on Oct. 15. This makes its twelfth distributing point within the state. The milling of flour was not considered in this purchase; however, this mill does contain one of the best double unit dairy feed manufacturing outfits in the territory. Alterations and additions will be made to this property.

Columbus, O.—The Consolidated Mills of America, Inc., is a newly formed holding company with offices here, incorporated and organized to take over Gates Milling Co. of Columbus, O.; the Tippecanoe Roller Mills, of Tippecanoe City, O.; and the Dixie Mills of Circleville, O., belonging to the Heffners. Other plants are to be taken in upon consummation of present and future negotiations. J. L. Gates, Columbus, is president. Other incorporators include Leslie A. Long, London Milling Co., London, O., and H. L. Penn, Tippecanoe City. Stock is to be issued, however, all plants will continue as previously and will use their individual names.

TOLEDO LETTER.

Toledo, O.—Jess Hurlbut has fully recovered from the malady which confined him at home for quite a few weeks.

Toledo, O.—Chris Wessendorf of H. W. DeVore & Co., is nearly fully recuperated from his long siege of illness.

Toledo, O.—William E. Savage celebrated his fifty-ninth birthday on Oct. 21. He is president of the Imperial Grain & Milling Co.

Toledo, O.—W. E. Hutton & Co. will open an office here. Walter Haskell will be local manager, assisted by Carl Goodman. Arthur Mylander, formerly associated with Southworth & Co., will also be identified with this new branch.

OKLAHOMA

Cement, Okla.—The Cement Milling Co. is adding a No. 3 "U" Jay-Bee Mill to its equipment.

Fairmont, Okla.—The Farmers Co-operative Ass'n is repairing its elevator and building a new office.

Wagoner, Okla.—G. A. Gallaway is erecting a new concrete building to house the grain office of A. W. Beard.

Norman, Okla.—S. G. Ambrister, grain dealer of Norman, is now also the vice-president of the First National Bank here.

Norman, Okla.—R. Massey, 70, pioneer grain man, died recently, leaving his widow, five sons and two daughters surviving him.—P. J. P.

Guymon, Okla.—The Oklahoma Wheat Growers Ass'n are reported to be considering the purchase of a number of country grain elevators.

Mounds, Okla.—Robert B. Cowan anticipates retiring from the business of operating the Mounds Mill & Elevator Co. and will lease the properties.

Muskogee, Okla.—Matt Bunding, proprietor of the New State Flour & Feed Co., was badly burned on the hands in a blaze that did \$2,000 damage to stocks.

Railroad Claim Books

require little of your time for filing, and contain spaces for all the necessary information in the order which assure prompt attention on the part of the claim agent. They increase and hasten your returns by helping you to prove your claims and by helping the claim agent to justify payment.

Form A is for Loss of Weight in Transit Claims.

" B—Loss in Market Value Due to Delay in Transit.

" C—Loss in Quality Due to Delay in Transit.

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These claim blanks are printed on bond paper, bound in book form, each book containing 100 originals and 100 duplicates, a two-page index, instructions and summary showing just which claims have not been paid, and four sheets of carbon.

The five forms are well bound in three books, as follows:

411-A contains 100 sets all Form A. Price, \$2.00.

411-E contains 100 sets all Form E. Price, \$2.00.

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Grain Dealers Journal

309 South La Salle St. Chicago, Ill.

Cipher Codes

Universal Grain Code: The only complete, the most up-to-date and latest grain code published. Effects a greater reduction in tolls than any other domestic code. Code words for the U. S. Standard Grades of Wheat, Corn and Oats. 150 pages, 4½x7 inches. Price, leather bound, \$3.00; paper, \$1.50.

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Millers Telegraphic Cipher: (1917) For the milling and flour trades. 77 pages, 3½x6 inches. cloth bound. Price \$2.00.

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A. B. C. Improved Fifth Edition Code, with Sup.: Reduces cable tolls 50% thru use of five-letter words, any two of which may be sent as one. Price in English, \$20.00.

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Baltimore Export Cable Code: Hinrich's fourth edition, compiled especially for export grain trade. 163 pages 6½x9 inches. bound in leather. Price \$15.00.

Riverside Flour Code, Improved (5 letter revision) Sixth Edition. Retaining the essential features of the 5 edition published in 1901, for use in domestic and export trade. Size 6x7 inches. 704 pages. Bound in flexible leather, \$12.50.

Calpack Code (1923) is designed to succeed and replace the codes published by the J. K. Armsby Co., and the California Fruit Canners' Ass'n in the fruit and vegetable packing industry. Size 6½x8½ ins. 860 pages, bound in keratol. Price \$10.00.

All prices are f. o. b. Chicago.

GRAIN DEALERS JOURNAL

209 So. La Salle St., Chicago, Ill.

Floris, Okla.—A new 10,000-bu. elevator was recently completed for George Probst.

Grandfield, Okla.—The Farmers Elvtr. Co. was recently acquired by G. W. Johnson. Two months ago it was announced that the company planned on erecting a feed mill plant and retail store.

Oklahoma City, Okla.—The Nunbell Milling Co. of Texas contemplates doing business in Oklahoma and has been registered with a capital stock of \$50,000 with J. J. Stinnett, Grain Exchange Building, as representative.

Turpin, Okla.—Cates Grain Co. were track loaders and are no longer located here. H. L. Vance, former manager of the Farmers Grain & Elevator Co. has resigned and gone to California. His place is taken by J. H. Jentz.

Oklahoma City, Okla.—The Belt Mill & Grain Co. was made defendant in the district court in a \$50,000 suit filed by Mrs. Hazel Moore, widow of Ira Moore. Mr. Moore was killed in an accident while working on a scaffold thrown up to do some work at the mill.

Okeene, Okla.—The construction of a 100,000-bu. \$30,000 concrete elevator is called for in plans prepared for the Okeene Milling Co. New equipment representing an investment of \$10,000 was just installed, designed to increase the output of this plant by 500 barrels. Owen Wimberly manages the firm's affairs.

Sallisaw, Okla.—We have a corn sheller and elevator operating here under the management of W. W. Payne. It is located on the Missouri Pacific and the Kansas City Southern railways. Construction was completed the early part of this month and we are now operating day and nite.—Adair County Mill & Elvtr. Co., Inc.

Duncan, Okla.—The Powell Grain Co. has moved into its newly completed rodent-proof quarters, comprising a new elevator, supply-warehouse and offices. The wholesale department of the business has, according to announcements, been materially expanded and groceries and supplies of all kinds are now being handled at this new location.

Hillsdale, Okla.—It is learned that the fire which destroyed the Hillsdale Equity Elevator on Sept. 28 started in the cupola and burned down, the probable cause being a hot bearing in the head. The plant was in operation the day before the fire. The house was frame, iron-clad, with metal roof and electric power. There was no local fire protection, but the fire department from Enid was called and saved the warehouse detached six feet.

Enid, Okla.—Harry Dobbyn of Minneapolis is the new manager of the Pillsbury Flour Mills Co.'s plant here which will be finally completed within very few days. The first unit of the elevator of 750,000 bus. capacity was finished up some little time ago, and the second unit is just about completed. The two units give the company 1,500,000-bus. storage capacity. Jones Hettelsater also built the 1,500-bbl. mill which is now in operation. A stupendous industrial jubilee and banquet was staged to celebrate the opening of the \$1,000,000 plant.

New members taken into the Oklahoma Grain Dealers Ass'n since Oct. 1, (resulting from a membership-drive covering three weeks of holding meetings, during which drive the president and secretary of this organization covered 1,700 miles), include: J. T. Haney & Son, Big Cabin; Frank O'Bannon, Claremore; Samuel Plummer, Bixby; W. H. Schroeder Grain Co., Walters; Whitford Grain Co., Nowata; Eufaula (Okla.) Grain Co., and Pryor (Okla.) Lumber & Grain Co. Some 30 new members have been permitted the honor and distinction of membership during the past four weeks.—C. F. Prouty, Sec'y.

Marshall, Okla.—U. F. Clemons, who served the Oklahoma Grain Dealers Ass'n, is confined to his sick-bed, where he is very ill. While his recovery may be possible, yet it does not seem probable. Those of you who knew him best when he was well, strong and active in the grain business will recall his ever ready spirit of fairness in all things in which he was interested. He made a good President, and now that he is battling for life, would it not be encouraging if you would write him a little note. It is never too late to do good, and a message received from a friend or old acquaintance to a sick man often acts as a tonic.—C. F. Prouty, sec'y.

PACIFIC NORTHWEST

Kennewick, Wash.—E. G. Lape has acquired the interest of his partner, Alfred Amon, in the Farmers Exchange.

Four Lakes, Wash.—Fire totally destroyed the grain warehouse of the Washington Grain & Milling Co. on Sept. 30.

Longview, Wash.—Harry Bryan is a new state grain inspector from Tacoma working under the supervision of the federal department. He will maintain headquarters here.

Seattle, Wash.—Copies of the recently printed by-laws and trading rules of the Seattle Grain Exchange are now available for the writing, by addressing the Chamber of Commerce Building.

Haines, Ore.—The D. W. Hearing grain warehouse was destroyed by a recent conflagration which did around \$35,000 damage. The warehouse was fortunately empty at the time of the fire.

Seattle, Wash.—T. Shimasaki is now associated in the grain department of Mitsubishi Shoji Kaisha, having just returned from Japan. He formerly was manager of the grain department of Suzuki & Co.

Republic, Wash.—Anderson's Grocery & Flour Mill has been incorporated by Charles E. and Charles H. Anderson, with a capital stock of \$25,000. The two have operated a grain milling plant here for some time.

Walla Walla, Wash.—R. W. Wallace is now manager of the milling, grain and mill feed business of the Farmers Agency. He came here from Lewiston, Ida., where he was associated with Kerr, Gifford & Co.

Buckley, Wash.—A general grain and feed branch is now open and in operation here for the Kenworthy Grain & Milling Co. of Tacoma, Wash. Coughlin & Black will operate three large warehouses leased for the account of this Tacoma house in conjunction therewith.

Spokane, Wash.—Working out a plan for more acceptable grain trading units was the task of a recent meeting of the grain and grain products com'te of the Pacific Northwest Advisory Board. F. R. Hanlon of Seattle, presided. Maximum loading of cars was another topic taken under advisement.

PORTLAND LETTER.

Portland, Ore.—The Portland Rail & Harbor Terminal Co. contemplates the erection of a large terminal storage and export grain elevator on its tide-water property in the harbor here. Dock facilities will also be developed by this newly organized firm.

Portland, Ore.—A recent ruling of the Merchants Exchange requires that all mill-run deliverable here under contract shall be manufactured in northern Idaho, Washington or Oregon, and packed 80 pounds net in standard grain bags. This action was taken to preclude the delivery of Montana mill-run.

Portland, Ore.—Anderson & Fox are opening an office here, to be ready for business on Nov. 1. Direct wire-service to all the leading grain stock and bond exchanges in the country will be in operation by that time. This organization had a unique beginning, in that organization took place at San Francisco (where headquarters are still maintained), the activities and branches of the partnership later branching eastward to Chicago and New York. Other grain brokerage houses are also understood to be contemplating branches here.

Portland, Ore.—The Southern Pacific Ry. has about completed its \$100,000 dock and elevator remodeling program on the facilities acquired when Kerr Gifford & Co. purchased the property of the Portland Flouring Mills located at the Albina Dock, sale of which occurred in July. At the time of the purchase, it will be remembered, the Sperry Flour Co. retained and removed the machinery. The Gilpin Construction Co. received contract in August to convert the mill into a grain handling plant of 1,300,000 sacked and bulk grain storage suitable for handling Kerr Gifford & Co.'s large export business. Kerr Gifford have since turned back the Columbia wheat loading dock, and are using a portion of the new dock.

Portland, Ore.—A canvas of the membership of the Portland Merchants Exchange is now being compiled on the matter of establishing a futures market here. The initial outlay in such an enterprise would run up to at least \$40,000.

PENNSYLVANIA

Pittsburgh, Pa.—H. G. Morgan & Co. have advised they discontinued activities in the grain business as of Oct. 1.

Lancaster, Pa.—Landis Levan, 73, sec'y of the Pennsylvania State Millers Ass'n for 13 years, treas. for 22 years and pres. for 2 years, died at his home here late last month. He was a widely known miller for 40 years, but retired from active interest therein some 15 years ago. The annual convention of this organization this year at York, Pa., was the first Mr. Levan missed in 41 years. He was also president of the Pennsylvania Millers Mutual Fire Insurance Co.

Pittsburgh, Pa.—Alfred Lawton, Jr., has formed a partnership with C. M. Hardman, formerly of the firm of Hardman & Daker. The name of the new combination will be Hardman & Lawton, which firm succeeds Hardman & Daker. Mr. Lawton was associated with H. G. Morgan for the last thirty-five years; however, this firm recently retired from business and its good-will relinquished to Mr. Lawton. The new firm will conduct a grain, millfeed, hay and straw business, Mr. Lawton continuing, as during the past twenty years, being active in the inspection and selling end of the business.

SOUTHEAST

Wellsburg, W. Va.—It is reported that the Pillsbury Flour Co. will erect a \$150,000 plant here.—P. J. P.

Bridgeville, Del.—The Bridgeville Flour & Feed Mill has installed a No. 2 Type "S" Direct-Connected Hammer Mill.

Savannah, Ga.—C. M. Lynch is president of the C. M. Lynch Co., which was recently incorporated to do a brokerage business with \$10,000 capital.

Mobile, Ala.—A grain and hay inspection service is contemplated by the Mobile Chamber of Commerce, the inspector to be licensed by the federal government.

Newport News, Va.—The million bushel terminal grain elevator here has been repaired and placed in first-class condition, generally, including a thoro fumigation, preparatory to operating it in the very near future. The other large terminal here burned, it will be remembered, quite a few years back.

Mobile, Ala.—The State Docks Commission has abandoned the idea of erecting a grain elevator for the time being.—J. W. White, assistant to general manager, Gen. Sibert, Alabama State Docks Commission. (It was reported that because of a controversy arising between the railroad and local grain interests, due to the railroad's refusing to handle grain from other railroads thru its elevator, which is the only one in town, that in the event such arrangements could not be satisfactorily consummated, public interest would be aroused to the point where the building of a public elevator for developing grain shipments through this port would become pre-eminent.)

SOUTH DAKOTA

Mitchell, S. D.—I. L. Demaray has been in charge here since July 1.—Farmers Grain & Coal Co.

Conde, S. D.—Repairs are being made to the elevator of the Farmers Elvtr. Co. by the T. E. Ibberson Co.

Garden City, S. D.—The Farmers Elevator just augmented its equipment with a new four-way double distributor.

Tea, S. D.—Fire reported as being caused by a hot bearing on Oct. 5 damaged the elevator and coal shed of J. P. Olson.

Tripp, S. D.—A No. 3, type S, direct-connected, Jay Bee Hammer Mill has been installed by the Hirsch Grain Co. here.

Utica, S. D.—Some new equipment is being installed in the J. J. Mullaney Elevator. Considerable repair work is also being done.

Mina, S. D.—A new leg is being installed, among other repairs, to the elevator of the Mina Equity Exchange. T. E. Ibberson Co. is doing the work.

Nahon, S. D.—General repairs are being made on the elevator of the Farmers Union Grain Co. here. T. E. Ibberson Co. is doing the work.

White, S. D.—The Brown Elvtr. Co. now owns the plant formerly operated by the Davenport Elvtr. Co., and the latter has discontinued purchasing grain at this station.

Mission Hill, S. D.—The damaged properties of the Farmers Union Elvtr. Co., which went thru a tornado in August, have been repaired and the plant is again running in tip-top shape. The other elevator here was moved from its foundation by the same forceful wind.

Milbank, S. D.—An old "Dutch-type" mill which was built in 1882 by two Englishmen named Holland, was dedicated as a museum to house relics of this region. The mill was moved, just before the celebration, from its original site to a little city park.—Art Torkelson, Lamson Bros. & Co.

Holabird, S. D.—Thomas Ryan, operator of a grain and stock business here, died very suddenly on Oct. 6, death being caused by heart failure. He was born Apr. 3, 1876, at Vermilion. A wife and baby and three sisters and three brothers mourn their loss. His many friends extend their sympathies.

Letcher, S. D.—The Letcher Grain Co. has opened for business. In July of this year George Lee, former manager of the Farmers Elevator Co. of Naples, S. D., bought the elevator of the Letcher Grain Co. and since then has remodeled and thoroughly overhauled the plant, preparatory to being in a position to render fast and efficient service to the clientele he hopes to build.

TENNESSEE

Sevierville, Tenn.—The Sevierville Mills have installed a No. 2, type U, Jay Bee Hammer Mill.

Memphis, Tenn.—The Merchants Exchange contemplates trading in cottonseed and cottonseed meal futures, commencing by at least the first of the new year. A charter was lately applied for.

Memphis, Tenn.—The warehouse and office of the Memphis Milling Co. was destroyed by fire in the late afternoon on Oct. 1. Loss was estimated at \$3,000. The nearest fire-hydrant was four-blocks distant.

Nashville, Tenn.—The Gillette Grain Co.'s new elevator plant is now in operation. With the tanks, the plant now has a capacity of 1,000,000-bus. Horner & Wyatt designed the recent additions, including 220,000-bu. storage tanks. The company claims to have the largest storage capacity in the interior of the cotton belt.

TEXAS

Fort Worth, Tex.—W. D. Matthews was recently succeeded by C. J. Cook, in charge of sales for the Texas Wheat Growers Ass'n.

Levelland, Tex.—Grain and coal are to be handled in the branch office to be opened here very soon by the Carhart Grain Co. of Panhandle.

Houston, Tex.—Saint & Co. has completed its 75x200 ft. one-story and its 45x75 ft. two-story additions and repaired the fire damage caused several months ago.

Plainview, Tex.—Work on the new elevator for the Hughston Grain Co. is well under way. It is expected the completed job will be turned over to the owners early in November. As reported, equipment is to be installed for threshing out heads. A transit rate will afford this plant a satisfactory volume of milling-in-transit business.

Hico, Tex.—The J. F. Wieser & Co. Mill here has been purchased by H. M. Wieser and A. M. Maloney of Hamilton. The mill will be operated under the name of Hico Mill & Elevator Co. At present only the elevator, corn plant and meal rig is being operated. The properties were completely overhauled and remodeled. I am staying on as local representative.—F. Callon.

Lariat, Tex.—A new 18,000-bu. grain elevator is under construction here for the Farmers Grain Co., of which W. B. Osborne is the manager. The Star Engineering Co. holds the contract for this work. A storage warehouse is to be included. The contractors just finished up on a 20,000-bu. studded iron-clad elevator here for the Muleshoe Elvtr., Inc., of Muleshoe, Tex., in which only the latest design of equipment was installed. Fairbanks-Morse enclosed motors and Richardson Automatic Scales will be installed in the Farmers house, also.

Amarillo, Tex.—The Early Grain & Elvtr. Co. properties here have been sold to Kearns Grain & Seed Co. They had been operated by the latter since 1923. The elevator was built in 1906, when Allen Early organized the original company. It has capacity for about 150,000 bus.

Slaton, Tex.—A 10,000-bu. grain elevator and a plant for handling and threshing grain sorghum heads at the rate of 350 tons daily are under construction for an organization composed of local interests with a capitalization of \$20,000. The project will be completed and in operation by Nov. 1. Especially designed machinery for threshing these grain heads are obtained. Only one other plant for threshing heads is understood to be in operation. That is at Lockney. R. A. Ayers, formerly in the grain business, is the manager of both. A transit rate was obtained. The Terminal Grain & Heads Handling Co. is the style of the firm name.

UTAH

Ogden, Utah.—The balance of the expansion program begun in May of this year by the Royal Milling Co., the first step of which was the increasing of the plant's grain storage from 400,000-bus. to 700,000 bus., was started the middle of this month. The last unit includes the construction of a large warehouse and a new office building.

WISCONSIN

Wilton, Wis.—Edw. Wilkinson is reported to be recuperating from a serious illness.

Mauston, Wis.—The Mauston Farmers Co. has installed a No. 3, type S, direct-connected Jay Bee Hammer Mill.

Beaver Dam, Wis.—Lawrence J. Hartzheim is now sole owner of the feed and fuel company bearing his name.

Arland, (Clayton, R. D.), Wis.—Theo Hanson has installed a complete grinding service and erected a storage warehouse.

Dodgeville, Wis.—A feed mill, equipped thru-out with electrically operated machinery, was recently voted by the Farm Bureau here. A large storage warehouse will also be erected.

Superior, Wis.—The moisture testing equipment has been doubled by the Wisconsin Grain and Warehouse Commission and twelve additional helpers employed to aid in the operation of the forty-eight pieces of apparatus.

Tomah, Wis.—Chapman & Chapman are installing modern feed grinding equipment in their plant. This new department will be ready for operation by Nov. 1. A 100x30 ft. warehouse addition was also added for storage.

Superior, Wis.—The Farmers Union Terminal Ass'n has increased both its office space and its office force. It now occupies four offices on the third and fourth floors of the Board of Trade Bldg., and is bidding for additional space. Matt Sauter is general manager of the local office, which has headquarters at St. Paul.

Curtiss, Wis.—A 22x36 ft. building 57 ft. high is being built adjacent the old building of the O. & N. Lumber Co. The old building is undergoing heavy repairs and remodeling. Grain bins are being made over, and the office has been enlarged. Included in the equipment is a 24-inch attrition mill operated by two 20 h.p. electric motors, and a feed mixer. The present management have owned the business a little over two months, having purchased it from Borgemoen & Hrunek, who had owned it for the preceding year.

Superior, Wis.—The Soo Line Railroad is reported to be considering a new grain elevator that will be the biggest in the United States, to be built here within the coming year. Such a project might prove profitable, particularly in light of a recently proposed embargo on grain at the Head of the Lakes. The recent reported completion of tanks at the Great Northern Elevator "S" in Superior has done much toward solving the problem of storage of grain, but has not aided in any way the problem of unloading. Due to the foreign material in the grain this year, the elevators were worked continuously to clean the grain and unload it at a rapid enough rate to avoid congestion in the yards. Last year even the more grain was handled, it went thru the twin ports with greater ease due to the fact that it was not necessary to clean it. It is agreed that added facilities are badly needed.

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Grain Dealers Journal

309 South La Salle St. Chicago, Ill.

MILWAUKEE LETTER

Charles C. Middleton was just elected to membership in the Chamber of Commerce. He is a broker.

Milwaukee, Wis.—Charles Bothe, who has charge of the hay department for the LaBudde Feed & Grain Co., was married recently.

William Laird Sherman, 84, died recently after six weeks' illness. Mr. Sherman established the Milwaukee Brokerage Co. here in 1889.

Milwaukee, Wis.—James F. Howard has been elected a member of the Chamber of Commerce, and the membership of the late John S. Crandall has been transferred.—H. A. Plumb, Sec'y.

WYOMING

Arvada, Wyo.—A 10,000-bu. elevator is contemplated by the Sheridan Flouring Mills.

Basin, Wyo.—Dave Johnson has completed the new bean elevator which he had under construction for several months.

Egbert, Wyo.—It is deemed quite probable that a number of grain elevators will be erected along the newly completed Union Pacific 62-mile line running from here to Yoder. This cut-off was the subject of considerable discussion some time ago when the matter of thru-rates to the Pacific Coast arose.

Sheridan, Wyo.—W. Kenneth Cole succeeds Wilbur Kistler as manager of the Sheridan Flouring Mills, Inc., effective Oct. 15. Mr. Kistler resigned to return to the home of his mother in Longmont, Colo. He came here in 1917 to join the forces of the J. W. Denio Milling Co., which organization was founded by Mr. Kistler's grandfather. He completed the re-organization of the company under its present title about a year ago.

Italy.—The Italian government will conduct its "Sixth National Competition for the Victory of Wheat" for the crop year 1928-29, says Assistant Trade Commissioner D. F. Spencer. The rules are similar to those of previous contests. Colonial participation will be permitted.

Russia is in the Persian market seeking to cover a shortage of wheat in the Caucasus. Persia had an excellent crop and its dealers are well supplied. The Persian price, however, seems exorbitant to the Russian authorities; in view of the low prices they have been paying their own farmers.

Forster Grain Cleaner.

A new grain cleaner has been developed by Inventor Forster to remove smut from wheat as well as dirt and dust, by centrifugal force. The machine works very rapidly and is made in three sizes to handle 120, 190 and 300 bushels per hour.

The machine is composed principally of a smooth lined cylinder. Thru this runs a shaft fitted with numerous iron agitators for a part of its length.

A discharge spout is located at the bottom of the cylinder about three-quarters its length from the intake. A deflecting screen is located immediately above it to keep grain from passing on thru the cylinder, yet permit the passage of dust.

A fan at the far end creates an air blast of such force that it sucks the dust and dirt from the very creases of wheat and sends it sailing thru a pipe to a dust collector.

The machine depends for its efficiency on high speed operation. For this reason the shaft is mounted on S. K. F. ball bearings and power requirements are cut to a minimum.

Extensive experiments in practical operation proved the machine thoroly efficient in the removal of dust and loose smut before it was ever offered to the grain and milling trades.

Diversification is taking place so rapidly the grain elevators of the country must adapt themselves to changing conditions or be utterly lost. Where a profit was formerly shown on the handling of grain alone, now a variety of side-lines and other services are essential to eking out an existence.

Ottawa, Ont.—Nearly 25,000 bus. of Garnet and Reward varieties of seed wheat, developed by L. H. Newman, Dominion Cerealists, will be distributed among Canadian farmers this year. The varieties ripened from 7 to 10 days earlier than others and escape frosts that might otherwise be ruinous.

Milbank, S. D.—The old Dutch-type mill built here by two brothers named Holland, in 1882, was moved to the city park, set on a concrete foundation and dedicated as a museum to house relics of this region, during the 50th anniversary of the settling of Grant county held early in October.—Art Torkelson.

Feeding Hogs.

Careful experiments have long been conducted by authorities to get the hog to grow faster and cheaper. Several formulas are on the market, most of which are good. At one time it was thought tankage and corn was sufficient and most economical, but this idea is now being replaced by appreciation of the possibilities in more complicated rations which more nearly meet the full requirements of a hog's physique, and hogs have been quick to respond.

One of these is the Trio Mixture for fall pigs after weaning, to be self fed with shelled or ear corn. It is composed of 50 lbs. tankage, 25 lbs. linseed meal, and 25 lbs. alfalfa meal and can be readily prepared by the elevator operator for his farmer patrons and hog feeders.

Overheating which sometimes occurs with ball bearing motors is more often generated by too much lubricant than too little. If the housing is full, there is a tendency for soft grease to churn and generate heat due to internal friction; this causes melting, which further aggravates the churning and heating and causes the grease to leak out of the housing.

New Elevator at Pratt.

Two railroads serve the town of Pratt, Kan., the Rock Island and the Santa Fe. A considerable distance lies between the two and this territory is occupied by the town.

The Pratt Equity Exchange has its main elevator on the Rock Island. Members from the agricultural country on the south objected to hauling thru the town to this elevator and desired service on the Santa Fe as well. In accordance with their wishes the company built a second elevator on a Santa Fe lease, this spring. The contract for the building was let to the Star Engineering Co. Work was started early in May and completed before harvest.

The elevator is a one-man structure, studded, iron-clad and set on a heavy concrete foundation. The iron covering is bonded for lightning protection.

Its capacity is 3,500 bus., principally contained in two large hopper-bottomed bins. Construction is such that additional bins may be conveniently added as they are needed.

The office wherein the scale beam is located is adjacent to the north side of the elevator. A Fairbanks' 10-ton truck scale is located in the driveway so the operator can conveniently weigh and dump without extra help. Dumping is accomplished with a Strong-Scott air dump and iron grating replaces the usual trap door to the pit.

A fast handling leg carries the grain to the distributor where it is directed into the bins or into the hopper of the 10 bu. Richardson Automatic Scale. Grain being loaded out is spouted to a Boss Air Loader, which easily and rapidly delivers grain to the far ends of the car.

Power is supplied by a 25 h. p. Fairbanks-Morse Inclosed Motor which runs the leg, the air-compressor and the air-blast car loader. An important factor in the saving of power is complete SKF Ball Bearing equipment. Every bearing in the elevator, including those in the boot and those on the loader, is a self-aligning ball bearing well designed to eliminate fire hazards and the necessity of constant watchfulness during a grain movement, as well as to effect a considerable saving in power costs.

A man-lift makes it convenient to reach the cupola. Fire extinguishers are located at strategic points.

G. W. Sitton, manager for the Pratt Equity Exchange, has charge of the operation of this elevator as well as the main elevator on the Rock Island, which has capacity for 35,000 bus. and a large warehouse, wherein is handled feed, coal, farm implements and tractors. He keeps one man located at the Santa Fe elevator. The company does a thriving business and shows its progressiveness by meeting the needs of its patrons.



Equity Exchange Elevators at Pratt, Kan. The Santa Fe Elevator is on the Left, the Rock Island on the Right.

Supreme Court Decisions

Drawee of Draft a General Creditor.—Where bank received sight draft for collection, with B/L, and took drawee's check in payment of the draft, charging the drawee's account, drawer of draft occupied position of mere general creditor as to proceeds of check, and had no right to priority on bank's insolvency. Fact that bank holding draft for collection failed to debit drawee's account on taking drawee's check did not have effect of augmenting assets of bank coming into receiver's hands, so as to entitle drawer of draft to priority, since failure to debit account was merely matter of bookkeeping.—*Steele Briggs Seed Co. v. Spurway, receiver of Clarinda Nat. Bank. U. S. District Court, Iowa. 28 Fed. (2d) 42.*

Co-operative Ass'n without Power to Deal for Non-members.—Co-operative ass'n, organized under Laws Okl. 1923, c. 181, § 2, held without authority to buy and sell livestock of nonmembers, in view of section 11, which provides that association shall not handle agricultural products of nonmembers, except for storage, though association, if organized under Laws Okl. 1919, c. 147, and Comp. St. Okl. 1921, § 5648, par. 3, might have dealt with products of nonmembers. Co-operative association organized for purpose of dealing in live stock, under Laws Okl. 1923, c. 181, § 2, and section 11, which prohibits handling of agricultural products of nonmembers, held not entitled to restrain concerted action of market agencies in refusing to deal with it in connection with purchase and sale of live stock at stockyards, under Packers and Stockyards Act (7 USCA § 181 et seq.), and order of Secretary of Agriculture restraining boycott was erroneous as matter of law, since purchase and sale of live stock of nonmembers by association would be ultra vires.—*American Live Stock Commission Co. v. United States. U. S. District Court, Oklahoma. 28 Fed. (2d) 63.*

Liability of Carrier for Delivery without Surrender of B/L.—Merchandise shipped by the owner thereof, "shipper's order, notify," from Florida to a prospective purchaser in Chicago, was wrongfully delivered at destination by the terminal carrier without requiring the surrender of the original Bs/L. The goods were delivered to the purchaser for whom they were destined, and to whom the terminal carrier was authorized to deliver them upon surrender of the original Bs/L, but, due to the wrongful delivery by the carrier without requiring surrender of Bs/L, the shipper did not receive the price the purchaser was to pay him for the goods in Chicago, and upon the payment of which price the shipper would have suffered no loss. Held that, under the provisions of the Cummins Amendments of 1915 and 1916 (49 USCA § 20 [11]), providing for the recovery of "full actual loss" from the carrier, the shipper (there being no release valuation here involved) is entitled to recover the sum, with interest, he would have received had the carrier performed its contract, and of which he has been deprived by the carrier's dereliction, and not the market value of the goods in Chicago, as the former sum, and not the latter value, represents the shipper's "actual loss" under the circumstances.—*Atlantic Coast Line R. Co. v. Roe. Supreme Court of Florida. 118 South. 155.*

Washington, D. C.—Reports indicate Sec'y of Agriculture Jardine contemplates lifting none of the restrictions that now burden trading in grain futures. If he would take a true measure of what government interference with the marketing of grain is costing producers he would abolish the regulations.

Consignee's Liability for Charges.

An agent who is not liable for the freight charges, not being the consignee, may become liable by exercising dominion over the shipment, is the finding by the Court of Appeals of Ohio, in a decision given Jan. 16, 1928, in the suit by the Louisville & Nashville R. Co. to recover a balance of \$90.95 due on freight and demurrage on a carload of waste paper.

The parties waived a jury and agreed upon the facts, which were: The Standard Bag Co., Augusta, Ga., delivered to the Georgia Railroad, the initial carrier, a carload of waste paper, consigned to the Franklin Strawboard Co., at Franklin, O. The Standard Bag Company sent the original B/L to the C. L. Hils Co., of Cincinnati. Upon arrival of the car in Cincinnati, the C. L. Hils Co. presented the bill of lading to the railroad, and directed that the car be diverted to the Mt. Vernon Strawboard Co., at Mt. Vernon, Ind. The Mt. Vernon Strawboard Co. refused the shipment. Thereupon "the C. L. Hils Co. ordered the plaintiff to reassign said car to themselves (the C. L. Hils Company) at Cincinnati, with the additional instructions that all charges were to follow."

Upon arrival of the car at Cincinnati the C. L. Hils Co. refused to accept the shipment. Later, the Louisville & Nashville Railroad Co. suggested to the Hils Co. that the paper be sold, in order to save unnecessary charges and demurrage. The Hils Co. notified the railroad company that it was not in any way interested in the shipment, and suggested that the paper be sold in accordance with the letter regarding the same. The railroad company thereupon received bids for the paper, and eventually sold it to the highest bidder for \$10 per ton, the proceeds of the sale amounting to \$131.25. The freight and demurrage charges which has accrued were \$222.20, leaving a deficit of \$90.95, which is the amount sued for, and for which judgment was entered in this case.

The defense of the Hils Co. was that it was not interested in the shipment other than as agent of the original consignor, and that the original consignor, and not the Hils Co., was liable for freight charges.

The court said: It is the rule that a consignee cannot accept delivery of an interstate shipment of goods without incurring liability for the carrier's lawful charges, known or unknown, supposed to be prepaid or otherwise, and no matter what the consignee's actual relation to the shipper is.—*Western & Atlantic Ry. Co. v. Underwood (D. C.) 281 F. 891.*

It has also been held that a consignee is under no obligation to receive or accept a shipment consigned to it where such a consignment was in no way sought or ordered by it, or when it is not in accordance with its contract; but, when it has exercised an act of dominion over it consistent only with the idea of its acceptance, it will be liable for the freight charges thereon.

Summarized, the facts in the case show that, while the Hils Co. was not named consignee in the original B/L, the company did have possession of the B/L which gave control of the shipment. With the bill in its possession, it exercised dominion over the car by directing the carrier to divert the shipment to Mt. Vernon, Ind. Upon refusal of acceptance at Mt. Vernon the Hils Co. ordered the carrier to reassign the shipment to it at Cincinnati, O., with instructions that all charges were to follow. These facts show the exercise of dominion over the shipment consistent only with the idea of its acceptance and acknowledgment of liability for the freight charges.—162 N. E. Rep. 761.

Brand Can Not Be Purchased Without Sale of Business.

A brand or trade-mark is sometimes so valuable that a purchaser can be found for the brand apart from the business of the owner; but such an attempted sale of the brand carries no title, it being necessary for the buyer to become the successor of the seller in part or whole.

In the case of Meyer & Bulte and Igleheart Bros., the former, who had obtained an assignment of the brand "Swansdown" from the Sweet Springs Milling Co., Land et al., went into court to prevent the Iglehearts from using the brand; but the U. S. Circuit Court of Appeals, as reported in Bulletin No. 645 of the Millers National Federation, said:

A trade-mark or trade name is of no virtue in and of itself. It becomes of value only thru use, and therefore, by use it is an assurance to purchasers of excellence of the article to which it is affixed as manufactured by the one whose name appears as the producer. The fanciful or arbitrary trade-mark by association with the name of the producer, becomes, therefore, valuable because it is a sign or symbol to the purchaser and assurance to him of the genuineness of the article of its manufacture by the proprietor of the trade-mark or trade name. Dissociated from such manufacturer it is not an assurance of the genuineness. When used by another it works a fraud upon the purchaser. A trade-mark is analogous to the good will of the business.

Who ever heard of a good will being sold to one while the original owner continues the business as before? The good will is inseparable from the business itself. So, likewise, is a trade name that gives assurance to a purchaser that the article on which is stamped the trade-mark or trade name is the genuine product of the manufacturer to whom the trade name or trade-mark points by association as the maker of the article. Therefore, to give a necessary qualification to the assignability of a trade-mark there shall go with it the transfer of the business and good will of the owner of the symbol.

To uphold such a transfer would be to ignore the fundamental office of a trade-mark, would be to disregard its purpose and object, would be to sanction the fraud upon the public purchasing the article. I am of opinion, therefore, that the complainants acquired no title to this trade-mark under the transfer from Land and his successors in business.

"Inspiration is fickle, while fixed determination is sure." Despite New Year's resolutions not to overbid the market, overgrade receipts, permit credit sales of side-lines, it takes character and will power to correct a bad habit, should one be so unfortunate.

Grain Dealer Has Unusual Side-Line.

D. P. Williams, owner and operator of the New Port Grain Co. at Newport, Ind., has an unusual side line. He buys clam shells and pearls.

Newport is on the Wabash river, which is a meandering kind of stream before it empties into the Ohio, with sand (and Logansport) along its banks. There are a lot of fresh water clams growing large and fat in its waters and they are located where it is convenient for fishermen and clam-diggers to bring them to the surface. When the clam has been removed and packed for distribution to the hungry throats of clam imbibers, the shell remains, as a by-product. This is variously valuable for making pearl buttons, jack-knife handles and ornaments. The cuttings are further valuable when crushed for poultry, being a crustaceous form of lime particularly suitable for assimilation by the hen. Hens usually require large quantities of crushed oyster or clam shell to make egg shells. Mr. Williams takes a part of his profit from the river by buying and selling clam shells.

Some times fresh water clams contain pearls, and Mr. Williams has acquired quite a collection. Among his latest is an immense pearl reputed to be the largest ever found in the Wabash River. This he has had mounted in a suitable gold ring and it is the wonder and envy of every man who visits his office.—"Squire" Cavitt's Travel's Along the Wabash.

Grain Claims Bureau, Inc.

Box 687, Station A. Champaign, Ill.

Freight claim savings of \$100.00 or more per year, are worth making. Audits are made on a percentage basis; no other costs whatever. If examination of your shipping records is permitted, it will save you money.

W. S. Braudt
Aud. and Treas.
Champaign, Ill.

Harry J. Berman
General Counsel
Chicago, Ill.

Grain Carriers

Rates on grain and grain products from Buffalo to Frewsburg, N. Y., have been reduced from 13c to 10½c per cwt., effective Nov. 1.

A number of Texas shipping points are supporting the fight to compel equalization of rail rates for Galveston and Texas City with those granted Houston.

Port Colborne, Ont.—The elevator blocked with 3,000,000 bus. of grain and six boats with cargoes totaling 2,000,000 bus. waiting to unload, it was found necessary to divert some of the latter to Buffalo early this month.

Notice has been given by the Texas Railroad Commission in Circular No. 7707, of reopening of its docket No. 2237½ on hay and alfalfa hay. The hearing will be conducted at the Texas Hotel in Fort Worth on Nov. 26.

The new line of the Union Pacific railroad from Egbert to Yoder, Wyo., has been completed and placed in operation. This is a distance of about 62 miles thru a highly productive agricultural district. Several elevator sites have been arranged.

It is unlikely that United States and Canada will reach an agreement on the St. Lawrence deep waterway project, according to Representative Dempsey, Chairman of the House Rivers and Harbors Com'te. The Hudson Bay and Vancouver routes afford ample outlet for Canadian grain.

Duluth, Minn.—The Joint Terminal Grain Com'te has announced as practically certain that no embargo would be placed against grain shipments to any of the terminals this year. The heavy movement has slowed up a little and prospects are that it will continue lighter.

General investigation of rates on grain and grain products in accordance with the Hoch-Smith resolution, known as docket 17,000, has been completed. Approximately 52,000 pages of testimony were taken, besides 2,200 exhibits of from 1 to 200 pages each. Final decision, however, will not likely be given until late next year.

Chicago, Ill.—The executive com'te of the Mississippi River Shippers Conference which met here a few days ago, discussed plans to dredge a nine-foot channel in the Mississippi River from St. Paul to the mouth of the Illinois River. Evidence favorable to the project has been developed and the com'te will be granted a hearing Nov. 15.

Kansas City, Mo.—Opposition to cancellation of transit privileges on grain shipments south of the main line of the Santa Fe in Kansas to Kansas City and back to Gulf ports, supposed to have become effective on Oct. 28, has led the Interstate Commerce Commission to postpone the effective date of its order to Mar. 1, that further testimony may be taken. Interior facilities for drying grain were considered inadequate and the damp condition of the Kansas wheat crop was an important factor in accomplishing this move.

Winnipeg, Man.—The annual meeting of the Lake Shippers Clearance Ass'n headquarters, Fort William, conducted here on Oct. 18, proved the organization had made a very satisfactory showing during the past year. Between Aug. 1, 1927, and July 31, 1928, grain transfers totaling 734,473,840 were handled, the largest number in the history of the organization. Alvin T. Godfrey, one of the directors since inception, resigned, because he had closed out his grain interests, and James Richardson was appointed in his place.

Kansas City, Mo.—The Santa Fe has purchased the Orient railroad. Final payment was made when officials of the former paid W. T. Kemper, pres. of the latter, and his associates, a check for \$8,600,000. Officials of the Santa Fe have been elected to the vacancies left by the Orient management. Mr. Kemper of the Orient was at one time active in the Kemper Grain Co.

Chicago, Ill.—Representatives of the consuming public were given an opportunity to enter their views in the wage controversy between the 55 western railroads and their 70,000 trainmen on Oct. 23, before the federal fact finding commission. M. S. Winder, sec'y of the Farm Bureau, declared that the farmers bear 90 per cent of the total freight revenue of the railroads and should certainly be considered in any negotiations, tho he would advocate neither an increase or a decrease.

Ottawa, Ont.—The Hudson Bay Railway to Fort Churchill on Hudson Bay will be completed as far as laying of steel is concerned, by March of next year, according to Major Graham Bell, deputy minister of railways and canals, who has just completed a survey of transportation construction work from The Pas to Fort Churchill, but considerable ballasting will remain to be done before the road will be ready for traffic. Work at Fort Churchill on modern harbor accommodations and equipment is rapidly progressing, tho it will probably be three years before this project can be completed.

The Texas Railroad Commission has ordered that Section 6 of Tariff No. 2-D, Oct. 9, covering transit privileges, be amended by adding "Exception (Applies only for account of the Gulf, Colorado and Santa Fe, and the Panhandle and Santa Fe Railways): Inbound freight bills or credit tonnage slips covering any variety of grain sorghums or sorghum grain subject to Column B, Item 20, rates, may be surrendered against an outbound movement of a different variety of grain sorghum or sorghum grain." Item 813 of Texas Lines Tariff No. 2-J, R. C. T. No. 76, is to be amended accordingly, effective Oct. 15, last.

Burlington, Ia.—Dedication of the \$225,000 municipal dock facilities of this city on the Mississippi river on Oct. 10, included the completed dock of the Mississippi Elevator Co. for handling grain. The municipal facilities have been leased to the Inland Waterways Corp. for use in connection with the federal barge lines. It is stated that farmers using these facilities have obtained 6½ cents a bushel more for wheat than those whose grain was shipped to St. Louis by rail and thence to New Orleans by barge. The rail-water rate from Burlington to New Orleans is 26 cents; the all water rate is 14½ cents or a difference of 11½ cents per cwt.

Rock Island, Ill.—A barge-loading grain elevator is to be erected here to serve the Federal Barge Line. This is the fifth barge-loading grain elevator to be erected on the Mississippi River above St. Louis, the others being at Dubuque, Burlington, St. Paul and Minneapolis.

Fort William, Ont.—Officials at the Head of the Lakes deny rejecting a proposal of the Department of Marine and Fisheries that navigation be closed early in hopes of preventing a recurrence of the large number of wrecks suffered last year by grain carriers. They show that insurance companies really govern the situation since when they refuse insurance the vessels stop operating.

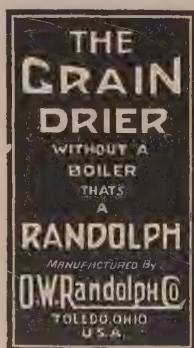
Portland, Ore.—Progress seems to be blessing the efforts of W. W. Harrah and other interested parties who have been concerning themselves with establishing a barge line on the Columbia River. The Upper Columbia Navigation Com'te of the Portland Chamber of Commerce, in a report submitted to the Board of Directors, expressed the opinion that a steamboat and self-propelled barge line on the upper Columbia River might prove a profitable investment and recommended any measures that may be taken keep in mind final canalization of the river and the movement of traffic on slack water as it is now handled on the Ohio. It is believed roads will readily be developed to interior river points, for hauling a heavy volume of wheat, to be transported to the coast by barge.

Examiner Reports on Port Differentials.

Hearing on the complaint of Baltimore Chamber of Commerce v. Ann Arbor Railroad Co., et al., resulted in Attorney-Examiner R. N. Trezise of the Interstate Commerce Commission recommending to that body on the 5th of this month, that the ex-lake rate on grain for export from Buffalo to Baltimore be reduced from 14.67c per 100 lbs. to 13.17c and that the freight to Philadelphia be reduced by the same amount. Further, he proposed the all-rail rate from Chicago to Baltimore be changed from 21c to 19c and to Philadelphia from 21.5c to 19.5c.

The Examiner recommends continuation of the parity with Erie, Pa., and Fairport, O. No changes would be made on either grain or flour to New York, the former taking a rate of 22.5c and the latter, 23.5c.

If his recommendations are put into effect the tendency will be for grain from markets west of Chicago to move all-rail direct to the Seaboard for export, instead of lake and rail, because the elevation charges at Chicago and Buffalo total 4.87c per 100 lbs. The Examiner holds that Baltimore's differential under New York should be at least 2c on ex-lake grain from Erie, Pa.



Elgin Flour & Feed Co., Elgin, Ill.

This plant is equipped with a Randolph Direct Heat Grain Drier

I. C. C. Activities.

In 20072 the Light Grain & Milling Co. asks for a rehearing.

Initial briefs in the Hoch-Smith proceeding are due Dec. 31, and reply briefs Feb. 15, 1929.

In No. 20019 the Commission has found unduly prejudicial sales on grain and products from Cincinnati and Louisville to Allendale, S. C.

No. 19212, by the Oklahoma Wheat Growers Ass'n has been dismissed by the Commission on a finding that the rates on grain and products to Texas destinations are not unreasonable.

In 21304, Yukon Mill & Grain Co., Yukon, Okla., v. C. R. I. & P., et al., asks reparation on unreasonable rate on flour and wheat from Yukon and Banner, Okla., to Houston and Galveston, Tex.

In 21274, M. C. King & Sons, Inc., Battle Creek, Mich., v. Michigan Central, refund of demurrage charges on clover seed is asked, from points in Canada to Battle Creek, Mich., and Landessville, Pa.

In 20075 the Commission decided in favor of the Benson-Quinn Co. that charges for reconsignment on 8 cars of oats at Willmar, Minn., were inapplicable and awarded \$40 reparation.

In 21273, Webster & Hull, Jacksonville, Fla., v. N. C. & St. L. et al., reparation is asked on unreasonable charges on stock feed from Nashville, Tenn., to Jacksonville, Fla., and re-consigned to Groveland, Fla.

In 21295, Northern Field Seed Co., Roseau, Minn., v. Great Northern et al., reparation is asked on grass seed moving from Roseau, Minn., to Winona, Minn. Charges are violation of Sections 1 and 6 of the Act.

Supplement 6 to K. C. M. & O. tariff No. 372, which would restrict routing of export grain on points of the Orient in Oklahoma to Louisiana ports and automatically bring rate increases, has been suspended by the Interstate Commerce Commission for further hearings.

In 16078, Waggoner-Gates Milling Co. v. Santa Fe the Commission has ordered a revision of rates on grain milled at Independence, Mo., effective not later than Dec. 5. This will give the Milling Company the same rates as Kansas City on products shipped out thru Kansas City.

In I. & S. 3094 the Commission has found not justified the proposed restriction by the St. Louis Southwestern on grain and products from Western points to Cotton Belt points in Louisiana. The Shreveport Chamber of Commerce objected and was backed by the Kansas City Southern.

In 21283, Corn Exchange of Buffalo, N. Y., et al. v. B. & O. et al., unreasonable rates on blackstrap molasses moving from Baltimore, Md., Philadelphia, Pa., and New Jersey and New York points to points in Pennsylvania and New York, are charged. Reparation and reasonable rates are asked.

In 21282, Colorado Milling & Elevator Co., Denver, Colo., v. Southern Pacific et al., asks reparation and application of legal charges. Complainant charges violation of Section 6 of the Act on grain and products moving from Denver to McNeal, Ariz., on transit billing originating beyond Denver.

In 21308, Sperry Flour Co., San Francisco, Cal., v. Southern Pacific, et al., rates on corn, whole, cracked or ground, from Group F. points in Iowa and Nebraska to South Vallejo, Cal., destined to Central America, Mexico, South America and Hawaiian Islands, are claimed to violate Sections 1 and 3 of the Act. Reparations are asked.

In I. & S. 3096 the Commission has found not justified the proposed minimum weights on grain and products, hay and straw from Memphis to points in Arkansas. The Rock Island desired to raise the present minimum of 24,000 lbs., altho that would have voluntarily established that minimum to enable Memphis dealers to get into Northeast Arkansas.

In I. & S. 3150 J. S. Brown, manager of the Transportation Department of the Chicago Board of Trade appeared at the hearing to protest against the carriers' proposal to cancel an item in the tariff the effect of which would be to substitute the grain products rate for the by-products rate used in milling and mixing of grain in the Chicago, Peoria and Pekin district.

Grain Car Loadings Are High.

Total car loadings in the week ended Sept. 29 were 1,196,768. This was an increase of about 53,500 loads over the preceding week and exceeded the loadings for any previous week in history with the exception of the last three weeks in October, 1926. The effect produced by the sudden increase of traffic upon the freight car surplus was to reduce it from 146,800 cars to 103,906. This was the smallest car surplus reported for the same time of year since 1923. Retirements of freight cars have so exceeded installations that when the peak of the traffic was reached this fall the railways owned at least 75,000 fewer cars than three years ago.

Grain and grain products were loaded into 63,335 cars during the week. This was an increase of 8,325 cars over the corresponding week last year and the largest since 1924.

Grain and grain products were loaded into 57,592 cars during the week ending Oct. 6, which was an increase of 7,570 above the same week last year and 10,058 above the same week in 1926. Loadings in Western districts alone totaled 43,309, an increase of 7,560 above the same week last year.

John M. Witherspoon Passes On.

John M. Witherspoon, famous designer and builder of terminal grain elevators, passed away on Oct. 21 at Chandler, Ariz. The body was removed to Phoenix, Ariz., where interment was conducted on Oct. 23.

Mr. Witherspoon spent his early youth in Chicago, where he was educated in Chicago public schools. Upon graduation he entered the employ of the Webster Manufacturing Co. as a draftsman. Some time thereafter he became connected with the Metcalf-Macdonald Co., designers, engineers and contractors of grain elevators, to learn the business. Later he entered the employ of the Geo. T. Moulton Co., elevator engineers and builders and during that time was the engineer in charge and the designer of the Weehawken Elevator, Weehawken, N. J., for the New York Central R. R., also the L. & N. Elevator, Pensacola, Fla., and several others.

In March, 1904, he organized the Witherspoon-Englar Co., elevator designers and builders, of which he was President and had a very successful business, up until the time he retired in 1925.

Among his large contracts were the Boston & Albany Elevator at Boston, Pennsylvania R. R. Elevator at Philadelphia, Port Commission Elevator, Portland, Ore., Council Bluffs Elevator for the C. & N. W. R. R., Wm. Rahr & Sons Elevator at Manitowoc, Wis., Michigan Central Elevator at Manitowoc, Wis., Lehigh Valley Elevator at Communipaw, N. J., Lehigh Valley Coal Docks at South Chicago and Milwaukee, American Milling Co., elevator and mill at Peoria, Ill., Badenoch Elevator, Chicago, C. I. & S. Elevator at Schneider, Ind., C. & N. W. Elevator at Milwaukee, Corn Products Refining Co. elevator at Pekin, Ill., Gould Grain Co., Minneapolis, Minn., Kentucky Public Elevator, Louisville, Ky., Manitowoc Malting Co., Manitowoc, Wis., Walter Bros. Brg. Co., Menasha, Wis., Western Glucose Co., Roby, Ind.

He was the general contractor and builder of the 10,000,000 bu. Calumet Elevator for the C. & N. W. R. R. in Chicago, one of the largest grain elevators in the world. He also rebuilt this elevator after the dust explosion March 19, 1921. This was his last elevator contract. Shortly after finishing this reconstruction he retired.

After retiring, he organized and became President of the Ocean Products Co., Terminal Island, San Pedro, Calif., which has been in successful operation for about two years.

Mr. Witherspoon was a brother of the late Leslie Witherspoon, vice-pres. of Fuller Construction Co. He was a member of the Western Society of Engineers, Saddle & Cycle Club, and the Chicago Club. A careful and conscientious builder, studious and high minded, Mr. Witherspoon was intimately acquainted with

many of the leaders in industrial and social circles, who held him in high esteem. Altho long a sufferer from tuberculosis his death was a shock to all. He is survived by one sister, who resides in California.

Supply Trade

Chicago, Ill.—The Magnetic Mfg. Co. announces the appointment of Geo. F. Joyce as assistant sales manager for this city and vicinity.

American manufacturers of grain elevator machinery and supplies, who are interested in the proposed line of grain elevators for the Argentine Republic being fostered by Arturo Peralto Ramos, can reach Mr. Ramos by addressing him in care of the National City Bank, New York, N. Y.

New York, N. Y.—A consolidation of two or more of the larger companies manufacturing asbestos products was reported recently to be under way with the U. S. Asbestos Co. as probably the leading component of the proposed merger. Other companies mentioned in that connection were the Raybestos and Southern Asbestos Cos.

Omaha, Neb.—Bender Electric Truck Dumps recently sold to the following: White Elevator, Seneca, Kan.; Littlefield Coal & Grain Co., Littlefield, Tex.; Thompson & Son, Prague, Okla.; Farmers Co-op. Co., West Point, Neb.; O. E. Horstman, Willard, Kan.; Farmers Union Co-op., Prague, Neb.; Louisburg Elev. Co., Louisburg Kan.; Drexel Elev. & Merc. Co., Drexel, Mo.; Western Grain & Stock Co., Weston, Neb.; R. C. Ayres, Slaton, Tex., and A. J. Brunswick, Beattie, Kan.

Des Moines, Ia.—The Globe Machinery & Supply Co. is planning an expansion of its manufacturing facilities which is expected to result in doubling the present number of employees. The Globe Company is now putting on the market, both in this country and in Canada a new product, a patented automobile hoist for oil stations and garages. The hoist is hydraulic, and is used in raising cars into the air where they may be greased or repaired. To aid in the company's plans of development, an advertising department is being installed, under the management of Frank R. Johnston. Mr. Johnston for the last five years has been connected with the advertising department of the Des Moines Register and Tribune-Capital.

Simplified Practice, or the elimination of waste in industry thru simplification, gained 1,705 supporters during the third quarter of 1928, according to Ray M. Hudson, assistant director of the Bureau of Standards, in charge of the Commercial Standards Group. Mr. Hudson says it is apparent that the consumers were becoming better acquainted with the benefits that result from buying the simplified or standard lines. The simplified line not only gives purchasers better values in the form of improved quality of product, and cheaper prices, but it makes delivery and replacement a simple problem, since the manufacturers can produce for stock, thus insuring a sufficient supply of the commodity will be on hand with the merchants and jobbers.

Managers of a Wisconsin elevator and feed store have built up an unusually successful business by willingness to serve the farmers of their community, even if it requires them to be veterinarians to a patron's sick cow or a medium of exchange on used farm equipment. We know of another thriving gentleman in the East who spends a large part of his time helping others, and he claims it pays big returns. The kindly little things which are done willingly with a generous heart and no thought of return, pay big dividends.

An Improved Cob Burner.

By R. D. MacDaniel of the Grain Dealers' National Mutual Fire Ins. Co.

The purpose of a cob burner is to dispose of the by-products of corn shelling by burning without jeopardizing surrounding property. Where elevators are located inside towns or villages, it is important that the burning of cobs shall not constitute a public nuisance, either by throwing sparks or emitting large quantities of smoke.

The design of the burner is all-important. Almost any type of burner will dispose of cobs, but to dispose of them quickly, without objectionable smoke and without showering the community with sparks, requires something more than a circular brick wall.

The trouble with the straight sided burner without grates is that because of the slow rate of combustion in such a burner large quantities of smoke are produced and, furthermore, the burner fills with cobs which will burn for hours. It is no uncommon thing to pass an elevator in the corn belt after night and find a burner full of cobs only awaiting a favorable breeze to shower the town with sparks.

In designing the type of burner illustrated herewith, it was our idea to secure a burner that would dispose of the cobs as fast as received. If that is done there can be no objection to the use of the burner—providing, of course, that it is screened to prevent flying embers. This cob burner is essentially a burner and not a cob storage house, so it may be built smaller than other types of burners for a sheller of given capacity.

In the engravings herewith are shown a vertical cross section from foundation to top, cutting thru walls and the metal, cob spout; a ground plan; elevation showing fire door and opening to ash pit, and a table of the various dimensions for sheller capacities ranging from 400 to 800, 1,000, 1,500, and 2,000 bus.

The concrete foundation wall 3 ft. 5 ins. in thickness, supporting a wall of brick 17 ins. thick, fire brick lined. The upper, more curved

part of the wall is 13 ins. thick, with cement coping on top. An inclined earth fill directs the cobs to the grate bars in the middle, the draft thru which renders the combustion most efficient, and keeps the zone of most intense heat up thru the center where it will do the concrete lining least damage.

An essential feature of this or any other type of cob burner is that the section of cob spout next to the burner be constructed with vents in the upper and lower surfaces. These are designed, respectively, to prevent a back-draft up the spout and a piling up of the cobs into the spout. The valve and chute for filling wagons is optional.

In case it is desired to spout dust to the burner, it is essential that there be a normally closed automatic valve in the dust spout so that the spout will be closed at all times when there is no current of air down the spout.

While to a considerable extent the location of a cob burner is dependent upon the height of the cleaner in the elevator (in order to get the necessary angle of fall), the safe rule is to get the burner as far from combustible buildings as possible. With the standard burner as illustrated and having the top screened, the fire hazard is much less than the old style burner and the distance from combustible buildings can be reduced accordingly. If, to get a sufficient angle of fall to the spout, it would be necessary to place the burner too near to buildings for safety, then the spout should be dispensed with and a conveyor of some sort utilized. Furthermore, spouts should not be run into the burner at too great an angle, as the protective openings will then become valueless and the spout will prove to be a veritable flue. Many elevators have been set on fire by sparks being drawn up cob spout from burner to cupola.

Chicago, Ill.—Herbert J. Blum announces that out of 5,000,000 bus. of yellow corn delivered to him and his associates on July contracts, only 41,000 bus. are left.

Insurance Notes.

Boston, Mass.—The Grain Dealers Mutual Fire Insurance Co. of this city, headed by Dean K. Webster, has voted to change its name to Twin Mutual Fire Insurance Co.

Chicago, Ill.—C. B. Warkentin of the Midland Flour Mills Co., Kansas City, Mo., has been elected a director in the Millers National Insurance Co., filling the vacancy left by the late C. B. Cole. He will represent the Southwest. More than 20 years ago, his father, C. B. Warkentin, Sr., had served as director in the same company.

Tenants operate 51 per cent of the crop land in Illinois. The land owners might obtain much coveted relief by tilling their own land.

Russia.—Soviet Trade Commissioner Mikojan has issued a circular in which he states that grain collections have been slow and unsatisfactory and that it may be necessary to reorganize the collection staff. This he attributes to competition of buying organizations.

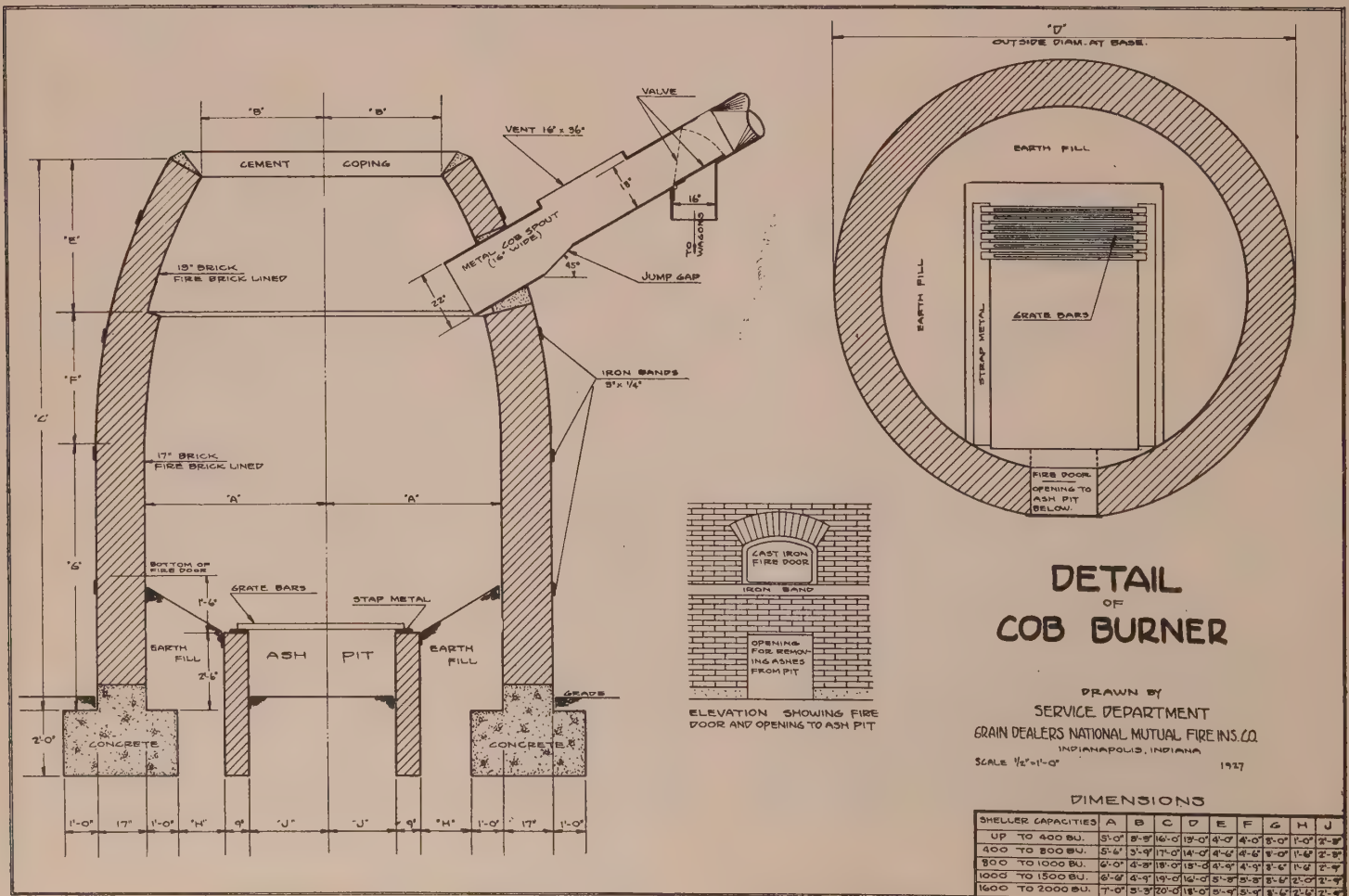
FIRE



can quickly consume your business, which has taken years to build up. Fire Barrels at strategic places throughout your elevator provide good protection against this menace.

Write for particulars relative to our better Fire Barrels and High Test Calcium Chloride which prevents freezing and evaporation.

Carbondale Fire Protection Co.
Carbondale, Penn.



Fire Experiences of Elevator Owners.

INCLOSING the electric motor in a motor room probably prevented a \$55,000 loss to the Zenith Milling Co., when fire started in its frame constructed grain elevator at Kansas City, Mo. When the flames were seen the power first was shut off and water thrown into the motor room and so well directed that the loss was held down to \$100 on a ruined belt and damaged switch and wiring.

THE INSURANCE companies recently purchased a player piano, an expensive new automobile and paid off the mortgage on the home of the manager of an elevator who successfully burned the plant to cover up shortages. He had twice been short in his accounts with former employers. The fire marshal investigated but could prove nothing.

HOBBOES infesting box cars set fire to their roost at St. James, Minn., but the fire department saved the frame elevator of the Hubbard & Palmer Co., close by.

TO SOME SMALL boys a visit to the grain elevator is a lark and an opportunity to do things forbidden at home. They will bear watching when about the premises. Two boys about 10 years old remained at the elevator while the truck driver with whom they were riding returned to the threshing rig for another load of grain. The lads went to an outhouse to have a smoke in secret and dropped either lighted matches or cigarette which started the fire at the Farmers Elevator & Trading Co., Hickson, N. D. Immediately after the blaze was discovered the boys were seen running away down the railroad tracks. Fortunately the outhouse was detached 36 ft. and the flames were put out by chemicals and water with \$64 loss. Keep all children out of the elevator.

A BRAVE BOY, who was foolhardy in the opinion of the local fire department, put a wet handkerchief over his mouth and nose and went into the cupola of the elevator at Cresbard, S. D., where the firemen refused to go. He em-

pted the contents of four buckets of water on the electric motor case, putting out the fire greatly to the gratification of his father who is manager of the elevator company.

AN UNUSUAL crunching noise in a feed mill may be a warning that tramp iron is going thru the rolls and throwing sparks. So it proved at the plant of C. W. McGaffey, Battle Lake, Minn., where a few minutes later smoke was seen coming out of the upper part of the building, the heads of several elevator legs being damaged badly before the fire was extinguished.

Canadian Grades Readjusted to Fit Crop.

Grades of grain in Canada are varied annually to suit the variance in the quality and dockage of grain raised.

The foreign buyer has a strong preference for any grain called "No. 2," no matter what dockage it contains.

The Western Canada Grain Standards Board seems to realize this fact and adjusts its grades accordingly every year. Standards for Nos. 4, 5 and 6 wheat, known as the "Commercial Grades," were just set Oct. 10 for the 1928-29 season. These will be forwarded in due course to European and other markets, where Canada sells her wheat.

Opening of Paris Futures Market.

The official opening of the grain futures market in the "Bourse de Commerce de Paris" took place on Sept. 17, according to a report from American Trade Commissioner Wm. L. Finger.

Quotations will be made on contracts to be executed as follows: During October, execution of one-quarter of the contracts during each month for four successive months, beginning in November or in January.

The minimum for transactions on the corn

futures market has been set at 800 metric quintals, about 88 tons.

The officials in the Bourse de Commerce indicate that transactions in grain will be greatly facilitated as a result of the establishment of the futures market and believe that the trade in grain may be increased thereby.

Grain Buyers Need Adequate Margin to Pay Expenses.

A study of financial operations of 56 elevator companies by the Illinois Agri. Exp. Sta., for the year ending Dec. 31, 1925, showed that 23 of these companies failed to pay expenses when so computed as to include interest paid on borrowed money as well as depreciation, the losses ranging from \$743 to \$11,204. Many factors contributed, but the most obvious was the low margin of earnings on grain handled, 16 of these companies earning less than 2 per cent gross margin on grain handled. Grain prices declined during 1925, and this probably accounted for the unfavorable showing in a number of cases.

Examination of these 23 failures indicates the primary cause of the difficulty to have been failure to earn adequate grain income in 16 cases, failure to earn adequate merchandise income in 3 cases, and excessive expenses in 4 cases. Of course the financial success or failure of any business is the result of many factors. These three factors were not the sole causes of difficulty, but they appear to be the major ones in the proportions noted.

Practically all Illinois farmers' elevators handle merchandise in addition to grain. In some cases the merchandise end of the business has become relatively more important than the grain. Results of these 56 companies indicate that in general this has proved a profitable addition.

200,000 Bushels' Daily Capacity HESS DRIERS

NOW BUILDING

Bastian Grain Co., Chicago, Ill.	- - -	18,000 Bushels
Panama Pacific Elevator, Victoria, B. C.	- - -	18,000 Bushels
Norris Grain Co., So. Chicago, Ill. Cap. now added		18,000 Bushels
Total daily capacity at this elevator 54,000 bushels.		
Quaker Oats Co., St. Joseph, Mo.	- - -	36,000 Bushels
New York Central Ry. Co., Export Elevator	-	110,000 Bushels
Weehawken, N. J.		

The World's Largest and Finest Elevators Use Hess Driers.

HESS WARMING AND VENTILATING CO.

1207 SO. WESTERN AVE., CHICAGO, ILL.

HESS DRIER CO. OF CANADA, LTD.

68 HIGGINS AVE., WINNIPEG, MAN.

Field Seeds

Twin Falls, Ida.—J. P. McClure has become Idaho agent for the Occidental Seed Co.

Adams Center, N. Y.—The W. A. Denison Seed Co. has moved its offices here from Ellisburg.

Miles City, Mont.—W. P. Lakin has opened the firm of Lakin Seed Co., succeeding Lakin Bros.

Cambridge, Ill.—Machinery for efficient handling of seed corn has been installed by the Farmers Co-operative Seed Co.

Carthage, Mo.—Carl J. Tucker of the Tucker Seed House here, died on Oct. 4 as a consequence of an auto accident some time ago.

New York, N. Y.—Mazza-Carrillo & Co. plan to establish a branch warehouse with a complete line of seeds, at Brooklyn.

Chicago, Ill.—C. D. Boyles has resigned as chairman of the Board of the Albert Dickinson Co., to retire from active business.

Fairmont, N. D.—A new hammer mill for feed grinding has been installed in the local plant of the Northwest Seed Growers Ass'n.

Louisville, Ky.—The Ross Seed Co. has moved its business operations to its new plant, where it has much larger floor space and better general facilities.

San Francisco, Calif.—Sevin-Vincent Seed Co. has moved into new and larger quarters more suitably arranged for handling, cleaning and storing seed.

Sioux City, Ia.—The Sioux City Seed & Nursery Co. has been incorporated and capitalized at \$1,000,000. It will open a milling, warehouse and shipping station at Billings, Mont.

El Monte, Calif.—John Bodger & Sons Co. have moved their headquarters out here from Los Angeles, in order to concentrate their working forces near the warehouse and growing grounds.

St. Charles, Ill.—A new plant is being built by S. W. Pike to cost approximately \$12,000. It will be a two story structure, 24x84 ft. and will be principally used in Mr. Pike's seed business.

Green Springs, O.—Several cleaning machines and other machinery have been installed in the new addition to the seed cleaning and storage plant of the O. & M. Seed Co., recently completed.

St. Joseph, Mo.—The Farber Seed Co. was ruled bankrupt when it failed to file denial to a petition in involuntary bankruptcy. Assets are listed at \$3,250 against liabilities of \$17,404.73. John Muster was appointed receiver.

Imports and Exports of Seeds.

Imports and exports of seeds for August, compared with August, 1927, and the 8 months ending with August, are reported by the Bureau of Foreign and Domestic Commerce in lbs. as follows:

	IMPORTS			
	1928	August 1927	8 mos. ending Aug. 1928	1927
Alfalfa	110,021	88,470	385,107	3,319,074
Red clover	43,200	21,518	4,924,784	6,711,031
Alsike	78,239	14,878	4,972,654	3,370,551
Crimson clover	2,154,288	467,523	2,294,237	489,266
Other clover	277,573	461,437	5,745,517	5,164,046
Vetch	454,038	262,046	2,903,769	2,532,985
Grass seeds	764,514	684,464	5,347,449	5,015,862
	EXPORTS			
	1928	August 1927	8 mos. ending Aug. 1928	1927
Alfalfa	306,401	152,410	603,377	906,061
Red clover	29,763	65	311,894	601,629
Other clover	101	22,442	243,322	171,116
Timothy	95,667	222,525	8,073,210	7,144,544
Other grass seeds	632,168	49,547	2,570,593	1,186,749
Other field seeds	24,142	69,245	1,789,666	1,358,012

Chicago, Ill.—The next regular business meeting of the Farm Seed Ass'n of North America will be held at the Stevens Hotel here on Dec. 18. This will be a business meeting. The directors will meet at the same place on Dec. 17.

Fort Collins, Colo.—Miss Anna M. Lute, seed analyst for the Colorado Seed Laboratory here, has been appointed a member of the most important com'tee of the International Seed Testing Congress which will hold its next meeting in Holland.

Washington, D. C.—Federal officials have published the names and addresses of 27 firms which they found selling adulterated or misbranded redtop seed. In each case timothy seed was the principal adulterant, tho some samples ran very high in chaff and foreign matter.

Chicago, Ill.—No one has been chosen as yet to succeed the late A. J. Ogaard as executive sec'y of the Farm Seed Ass'n of North America. The matter is expected to come up at the midwinter meeting of the Ass'n to be held in December at the Hotel Stevens.

Salinas, Calif.—The new mill building of the Hogue-Kellogg Seed Co. has been completed and fitted with latest equipment in seed cleaning machinery. New office quarters were built near the new building and the company planned to move some time this month.

New York, N. Y.—R. S. Elliott & Co., seed brokers, have installed one of the recently perfected machines for receiving and sending telegrams and cablegrams direct from their office, instead of suffering the delays incident to using messengers. Incoming messages appear typed out on gummed tape ready for pasting.

Winnipeg, Can.—Peter Stewart has resigned his position as sec'y of the Canadian Seed Growers Ass'n and is now connected with the laboratory staff of the Canada Malting Co. Prof. W. T. G. Weiner, formerly with the Manitoba Agricultural College, replaces him as sec'y of the Ass'n.

Markesan, Wis.—Stephen B. Folsom, who operated the Folsom Seed House with his son, was smothered to death under several heavy bags of seed peas, which toppled over upon him Friday afternoon, Oct. 12, when he was, presumably, trying to remove a torn sack from a large tier. His wife and son survive him.

Montgomery, Ala.—The Alabama State Department of Agriculture has installed a seed testing department, and placed an analyst in charge. The state legislature has had a standing appropriation for this work for some years but this is the first action taken towards its use.

Washington, D. C.—The U. S. Department of Agriculture shows 46 firms in the released list of verified-origin alfalfa seed dealers for the present season. Tho 56 applications had been made, only 46 were found acceptable. The verified-origin service is limited to alfalfa seed this year. A list of the dealers can be obtained from the Department.

Heyworth, Ill.—Purkey Seed Co. suffered loss of three bags of clover seed when thieves broke into its establishment about midnight, Monday, Oct. 8. A pane of glass in one of the double doors of the building was broken by the robbers, enabling them to reach inside and release the lock.

California inspection. One of our members writes to say: "We suggest that in your next circular you give warning against shipping to California on California Horticultural Inspection. It is practically impossible to get by that inspection on cottonseed and Johnson grass seed, and as we understand it, all responsible dealers have failed to make deliveries. There is no use for any more of the dealers to get hurt trying."—Sec'y H. B. Dorsey, Texas Grain Dealers Ass'n.

Chicago, Ill.—The International Grain & Hay Show will be held as usual this year in connection with the International Live Stock Exposition at the Union Stock Yards, Dec. 1 to 8, inclusive. A number of interesting displays are planned. Among them will likely be latest information on the corn borer.

Boston, Mass.—The Perry Seed Co. has been incorporated by Stanley R. Perry, Eva Perry and Wilfred G. Paine. The business of the Fiske Seed Co. has been purchased by the new organization. Harry E. Fiske, who formerly operated the business which has been absorbed, died last August, as reported in the Sept. 10 number of the Journal.

Columbia, Mo.—Wholesale and retail seed merchants met with representatives of the Missouri State Board of Agriculture and the University's College of Agriculture in the new Agricultural Building on Oct. 24 for the annual state seed conference. Legal labeling of field seeds to promote uniformity of practice was one of the subjects discussed.

Terre Haute, Ind.—The J. A. McCarty Seed Co., which for the past six years has operated in Evansville, has opened a branch store in Terre Haute. Frank Pritchard, formerly of Princeton, Ind., is in charge of the new store. The same line of feeds, seeds and orchard supplies that the local house carries will be sold in retail lots at the Terre Haute store.—C.

Regina, Sask.—When Dr. Tehyi Hsieh, Chinese statesman, visited here recently, he spoke of the possibilities in growing Chinese soy, or Mung, beans in Canada. A group of Saskatchewan farmers became interested and made some experiments, with the result that they found the plan practical. The bean can be grown at an approximate cost of four cents a pound and present market prices return 48 cents a pound. The chief requisites for growing are moisture and a heat of approximately 65 degrees F.

Seed Regulations Changed in Canada.

As the result of the recent meeting in Ottawa, Ont., of the Advisory Seed Board Geo. H. Clark, Dominion Seed Commissioner, has announced amendments to the regulations under the Seeds Act.

No. 1 alsike, white clover, domestic red clover, alfalfa and brome grass seeds must now be free from primary noxious weeds. Bladder campion, white cockle, and couch grass are now considered primary noxious and are included in that class. Trade representatives on the board stated they would be prepared to pay a premium for certified seed relatively free from noxious weeds that would clean to grade No. 1 and suggested that the Seed Branch institute an inspection of alsike fields.

This field inspection of seed is being done in Alberta with Grimm alfalfa for registered seed, with variegated alfalfa in Ontario, red clover in Ontario and Quebec, brome grass in Manitoba to certify it free from couch grass; brown top in Prince Edward Island to certify it free from red top, and Garnet and Reward wheat in the prairie provinces to certify them true to variety.

Standards were considered for registered seed of wheat, oats, barley, rye, corn, flax, field peas and soy beans. The old standard grades were registered and extra No. 1, and these have been changed by amendment of the Seeds Act to registered 1, 2 and 3. These three grades must show 99.99 per cent purity and be absolutely free from primary noxious weeds. The reason for adopting a third grade was to provide a place for off colored weathered seed, which except for this weathering is equal in purity and variety to the other grades.

Commercial standards for cereals show only one change, the raising of the standard of grade 3 for maximum primary and or secondary

weed seeds per pound from 20 to 15. Consideration was given by the board to the doing away altogether with grade 3, but the decision was reached to make the change already noted and to make a further study of the matter for another year.

The standards for turf grasses are raised with respect to noxious weeds and somewhat lowered respecting weeds not injurious in lawns.

On the recommendation of the Saskatchewan Provincial Seed Board the weed Darnel (*Iolium temulentum* and vars.) was put into the secondary noxious weed group. Previously it was included in the "other weeds" group.

The question of checking the distribution of weed seeds resulting from the use of feed grain for seed purposes was brought to the attention of the board by a representative of seedsmen, and the suggestion was made that buyer and seller be required to give an affidavit covering the use to which the grain was to be put. This matter will be the subject of a notice of motion at the next board meeting, if prior action is not taken as a result of the matter being brought to the attention of the Agricultural Com'te of the House of Commons.

New Seed Trade Marks.

John Hilding Ostberg, doing business as Consolidated Seed Co., Chicago, Ill., has filed trade mark No. 271,077, the words "American Park," for lawn-grass seed.

Rudy-Patrick Seed Co., Kansas City, Mo., has filed trade mark No. 270,803, the lettering "Delta 18" in connection with a triangle inclosing a drawing of snow-capped mountains, skirted by a fringe of trees, for alfalfa seed.

Combined harvester-threshers in use on Illinois farms increased to 322 in number during 1927. There were 64 in 1926.

Directory

Grass and Field Seed Dealers

One line, one year (24 issues), \$10.00.

AMARILLO, TEXAS.

Hardeman-King Co., field seed merchants.

BALTIMORE, MD.

Wm. G. Scarlett & Co., wholesale and merchants.

CHICAGO, ILL.

Johnson, Inc., J. Oliver, field seeds.
Kellogg Seed Co., John L., field seeds.

CINCINNATI, OHIO.

McCullough's Sons, The J. M., field and garden seeds

CONCORDIA, KANS.

The Bowman Seed Co., wholesale field seeds.

COUNCIL BLUFFS, IOWA.

Council Bluffs Seed Co., seed corn, nothing else.

CRAWFORDSVILLE, IND.

Crabbs Reynolds Taylor Co., grass and field seeds.

FT. WAYNE, IND.

Kraus & Apfelbaum, field seed dealers.

KANSAS CITY, MO.

J. G. Peppard Seed Co., field seed merchants.
Rudy-Patrick Seed Co., field seed merchants.
Tobin-Quinn Seed Co., Missouri Blue Grass.

LIMA, OHIO.

Ackerman Co., The, wholesale grass field seeds.

LOUISVILLE, KY.

Louisville Seed Co., clover and grasses.

MILWAUKEE, WIS.

Courteen Seed Co., field seeds.
Kellogg Seed Co., field and grass seeds.
North American Seed Co., wholesale grass & field seeds
Teweles Seed Co., L., field and grass seeds.

MINNEAPOLIS, MINN.

Northrup King & Co., field seeds.
Minneapolis Seed Co., field seed merchants.

ST. JOSEPH, MO.

Mitchellhill Seed Co., wholesale field seeds.

ST. LOUIS, MO.

Cornell Seed Co., field-grass-garden seeds.
Angelsdorf & Bro., Ed. F., wholesale field seeds.

Minnesota Seed Council Organized.

About 70 seedsmen and others interested in the promotion of better seeds and crops, gathered at the University Farm, St. Paul, Minn., on Oct. 10 to complete organization of the Minnesota Seed Council into a permanent body.

The meeting was called to order by Frank Peck, director of extension work at the University Farm, who presided. In opening he begged co-operation and expressed belief that the solution of many seed problems could be readily accomplished by all interested parties working together.

DEAN W. C. COFFEY discussed the "University Department of Agriculture," urging the use of pure seed and co-operation on the part of seedsmen in making it easy for the farmers to obtain pure seed.

W. S. MOSCRIP, who is actively engaged in farming, described the measures he is taking to keep his farm clean from weeds, and discussed the various kinds of weeds and methods of control.

L. M. KING, Minneapolis, discussed "Our Problem of Securing Good Seed," remarking that two classes of field seeds are handled by seedsmen. These are grains and small grass seeds. More small grass seeds than any other kind are distributed in a commercial way and these are getting better in spite of greater contamination at the source, because of the improved seed cleaning machinery which is put to use. The difficulty in keeping farms clean is due in some considerable measure to "over-the-fence" trading among farmers. Mr. King believed Minnesota seed dealers are anxious to co-operate with all interested agencies in developing cleaner farms.

RALPH F. CRIM, University Farm, discussed a plan for a "better seed" program. He said co-ordinated effort will effect greater use of pure seeds. The first step is to agree about the problem, then decide on a method of attack. No one group is big enough to handle it alone. The program must involve research in getting better sorts, production of seed stocks, distribution of those stocks. Publicity must be given the movement.

Mr. Crim believed the best method was to organize a body for this purpose and proposed the Minnesota State Seed Council which would consist of a member from each group of interested organizations. Efforts were immediately directed to such organization, Mr. Peck appointing H. K. Hayes, chief of Division of Agronomy and Plant Genetics; J. W. Evans, pres. of Minnesota Crop Improvement Ass'n; H. R. Sumner, executive sec'y of the Northwest Crop Improvement Ass'n; C. P. Bull of the State Department of Agriculture; and E. J. Kiekenapp, sec'y-treas. Minnesota Seed Dealers Ass'n, to a com'te to draft a constitution and by-laws.

Adjourned for lunch.

AFTERNOON SESSION.

In the afternoon session delegates listened to the report of the constitution and by-laws com'te, which was approved, with minor changes.

The following representatives were elected by the various organizations that had someone present:

J. W. Evans, Montevideo, Minnesota Crop Improvement Ass'n.

L. M. King, Minneapolis, Minnesota Seed Dealers Ass'n.

A. J. Olson, Renville, Minnesota Farm Bureau Ass'n.

A. F. Nelson, Minneapolis, Minnesota Farmers Elevator Ass'n.

H. R. Sumner, Minneapolis, Northwest Crop Improvement Ass'n.

H. K. Wilson, University Farm, Division of Agronomy and Plant Genetics.

S. S. Haislet, Minneapolis, Minnesota Editorial Ass'n.

S. A. Rask, Blooming Prairie, Minnesota State Bankers Ass'n.

C. P. Bull, St. Paul, Minnesota Department of Agriculture.

R. F. Crim, University Farm, Minnesota Agricultural Extension Service.

K. A. Kirkpatrick, Minneapolis, County Agricultural Extension Service.

C. I. Buxton, Owatonna, Minnesota Implement Dealers Ass'n.

W. R. Kuehn, Minneapolis, U. S. Department of Agriculture.

No delegate was named for the Minnesota Threshermen's Ass'n, tho it was voted to include this organization.

Mr. Peck named a nominating com'te composed of Sam Rask, H. K. Wilson and W. R. Kuehn.

The following officers were elected by acclamation: J. W. Evans, chairman; L. M. King, vice-chairman; R. F. Crim, sec'y.

Chairman Evans took the chair and called for consideration of a program. It was voted to leave the drafting of a tentative program to Sec'y Crim, to be submitted to the membership by mail.

Adjourned *sine die*.

The Southern Illinois Millers Ass'n is concerning itself with its annual fall campaign for weed control. Among the speakers holding meetings at various points are E. C. Secor, farm advisor, and J. L. Grigg, sec'y of the millers organization.

Stabilization of Bean Handling in Michigan.

Recommendations were drafted by a com'te consisting of dealers appointed by the Michigan Bean Jobbers Ass'n, growers appointed by the Commissioner of Agriculture, and certain other interested individuals, who met at the office of the Commissioner of Agriculture in Lansing, Mich., Oct. 11. It is believed that the pursuance of these recommendations will unify methods of bean handling, make for greater stability in bean marketing, and react to the benefit of the entire bean industry, growers, distributors and consumers. The recommendations are as follows:

That the Michigan State Legislature enact a law providing for the licensing of country elevators.

That there be no bean futures sold either by growers or dealers prior to Sept. 1 of the current year. Sale for delivery or shipment beyond ten days from date of contract shall be deemed future business.

That dealers should not buy beans from growers without proper picking, nor without proper deduction for excess moisture; further, that they should not canvass growers to buy beans. Adequate charges for trucking should be made.

That all car shipments be subjected to official inspection and sold with certificate of grade attached.

That the system of storing beans in elevators for future sale be discontinued wherever possible because of its depressing effect on prices. Where conditions make storing in elevators necessary, it is recommended that the financial responsibility of the storage agency be ascertained before such agency is entrusted with valuable commodities.

That the office of the Commissioner of Agriculture be given by the office of the Michigan Bean Jobbers Ass'n a list of the bidders and daily bids, used in establishing the daily bean market, and that both offices simultaneously release the average of those bids as representing the bean market for car lots for that particular day, this to be the price on which the paying price to the grower will be based.

That the minimum and maximum margins between the daily bean market for car lots and the price to growers be established at 50c and 75c per cwt., including bag. Margins, as applied to varying prices, would thus be as follows:

Bean Price per cwt.	Margin per cwt.
Below \$5.95	50c
\$6 to \$6.95	60c
\$7 to \$7.95	70c
\$8 and above	75c

The foregoing recommendations were approved by the following: H. E. Powell, Commissioner of Agriculture, chairman of com'te; W. I. Biles, Saginaw, dealer; A. L. Riedel, Saginaw, dealer; C. H. Runciman, Lowell, dealer; B. A. Stickle, Lansing, dealer; J. P. Espie, Eagle, grower; A. B. Cook, Owosso, grower; J. N. McBride, Burton, grower; V. H. Church, federal statistician for Michigan; H. C. Rather, farm crops department, Michigan State College, and Burt Wermuth, editor, Michigan Farmer.

Southern Mixed Feed Dealers Have Good Meeting.

Interest in the activities of the Southern Mixed Feed Dealers Ass'n was expressed in the good attendance which favored its third annual convention, held at the Peabody Hotel, in Memphis, Tenn., Oct. 15-17.

Principal consideration was bent on marketing problems and closer organization of the membership for the good of the southern trade.

PRES. G. G. KEITH, Nashville, Tenn., presided at the opening session, welcoming the delegates and expressing a belief that the ass'n had proved highly beneficial to the southern trade during the past year. The mixed feed dealers have enjoyed a successful season, partly due to market conditions, but mostly to the practice of sound business methods which the organization has fostered.

DR. TAIT BUTLER, editor of the *Progressive Farmer*, who discussed southern agriculture and the part the feed manufacturer plays, said, in part:

Progress of Southern Farming.

Cotton is one of the best money field crops known. This very fact has been detrimental to the development of the live stock and dairying industries in the South, tho these are important aids to agriculture. The need for livestock has not been seriously felt, however, except from the livestock products standpoint, because cotton takes so little from the soil.

Agricultural development comes slowly, a matter of evolution rather than one of revolution. Dairying in the South has made big strides in the course of the past few years. But the southern markets are still largely dominated by competitors from other parts of the country. Part of the solution rests in the development of better and cheaper feeds to permit southern dairymen to compete with others on an even basis. So long as the South must buy its feed from competitive districts this will be impossible. It is essential, therefore, that the South produce as much of its own feeds as is possible.

This is particularly true of roughage. If the South can produce enough of its own roughage to supply its needs, it is likely enough can be made from livestock to permit purchase of concentrates. Probably it is best for the dairymen to buy his mixed concentrate supplements, for these are much better balanced by the feed manufacturer than the feeds many of them now use.

We are advocating that dairymen develop growing of roughage on their own properties as much as possible. In that direction lies success—and it takes successful dairymen to make successful feed manufacturers.

Various round table discussions followed. Dr. Butler expressed belief that the South should produce cheaper feeds than the North, because land and labor are cheaper and the growing season is about three months longer.

Discussion of the patent secured by an eastern company for exclusive right to use of fish meal in its prepared animal feeds showed some resentment on the part of other feed manufacturers. It was the consensus of opinion that the patent is contrary to the patent laws in this country and that some action ought to be taken to combat it.

Pres. Keith appointed nominating and resolutions committees and the session adjourned to Tuesday morning.

Tuesday Morning Session.

A discussion of state laws affecting the dis-

Exports of Feeds.

Exports of feeds of domestic origin during August, 1928, compared with August, 1927, and for the eight months ending with August, are reported by the Bureau of Foreign and Domestic Commerce in tons as follows:

	August 1928	August 1927	8 mos. ended Aug. 1928	8 mos. ended Aug. 1927
Hay	618	689	10,178	8,366
Cottonseed cake	226	13,053	82,219	166,573
Linseed cake	25,858	28,681	184,987	219,341
Other oil cake	3,143	137	11,419	7,964
Cottonseed meal	718	2,069	25,510	86,719
Linseed meal	337	812	5,134	5,242
Other oil-cake meal	219	105	1,452	1,054
Prepared and mxd. feeds	2,939	2,949	17,587	35,405
Other feeds, including screenings ..	2,042	1,324	23,461	20,839

tribution of feeds opened the Tuesday morning session.

WALTER CHANDLER, attorney for the ass'n, discussed legalities which mixed feed dealers encounter in shipping interstate and intrastate. He said:

Legal Phases in Mixed Feed Distribution.

Simplification, standardization and stabilization are the three most fundamental requirements of business today. They can be best accomplished thru ass'ns, which are oftener than not unselfish in their purposes and much concerned with the improvement of business ethics. Industrialists today are showing a spirit of co-operation toward competitors never before realized in their attempts to reduce business losses thru simplification, tho many difficulties still remain unsurmountable except by group action.

Opportunity for extensive saving among southern mixed feed manufacturers lies in uniform cost accounting methods and the uniform sales contract of the ass'n. Rigid enforcement of this latter will increase the respect of buyers for the manufacturers. Honorable and successful manufacturers must take advantage of the means available for their protection.

Trade ass'ns are permitted by law to disseminate information on such subjects as volume of past production, stocks on hand, shipments, credits, transportation, reports on the return of containers and so forth.

Business progresses in the footsteps of science. Those who hope to survive must keep pace with all the latest developments. This is particularly true of small manufacturers.

Discussion of feed laws and regulations in general resulted in voting to send a representative to the meeting of the feed control officials in Washington next month.

Wednesday Morning Session.

SEC'Y E. P. MacNICOL had distributed advanced copies of his report so it was unnecessary for him to read it or give it in person. It summarized the activities of the ass'n for the past year and gave recommendations for the future. The organization now has 22 active and 20 associate members and is in good financial position with no debts and a balance on hand.

Discussing the Uniform Sales Contract, Sec'y MacNicol said:

Our uniform sales contract, one of the primary reasons for the existence of our association and launched concurrently with it, has passed thru the experimental stage and become as much a part of our organization as the name itself. As an industry safeguard and good business policy it has unquestionably stood the acid test of time. Further, it has "sold" itself so firmly, not only to the manufacturer but to the trade, that we can safely consider it a permanent feature. Certainly, there are none who will gainsay its economic soundness.

In advancing recommendations Sec'y MacNicol suggested closer co-operation among members in giving information that may be used in confidential trade reports regarding people to whom the mills sell, and close adherence to the spirit of selling only on arrival draft basis.

The following officers were elected: A. T. Pennington, Memphis, pres.; C. B. Fretwell, Spartanburg, S. C., vice-pres.; W. A. Hall, Memphis, treas. The following were elected to the Executive Com'te: H. J. Schlafly, Jackson, Miss.; E. Wilkinson, Birmingham, Ala.; G. G. Keith, Nashville, Tenn.; J. B. Edgar, Memphis; J. M. Wilson, Meridian, Miss.; and L. R. Hawley, Memphis.

The annual golf tourney held on the afternoon of Oct. 16, at the Colonial Country Club, and the banquet that followed it in the evening were highly successful and everyone expressed their delight with the entertainment offered by the Memphis millers.

Fumigation of Shipments to Canada.

Regulations governing the importation into Canada of alfalfa meal were amended April 12. For alfalfa meal from Colorado, Idaho, Nevada, Oregon, Utah, and Wyoming and from Lassen, Plumas, and Sierra Counties in California a certificate is required from the appropriate State official stating that the alfalfa meal was ground in and shipped from an area known to be free from the alfalfa weevil, and that the

hay from which it was prepared was grown in an area free from said pest.

Soy Bean Oil Meal Replacing Meat Scrap.

The Illinois Agri. Exp. Sta. has found that soybean oil meal could be used to replace meat scrap and that the chickens fed the soybean oil meal were in every way as good as those raised on meat scrap, provided there were no other limiting factors. Since commercial meat scrap contains a considerable amount of mineral matter as well as protein, it is necessary to supply minerals in some form to the soybean ration in order to make sure that the only varying factor is the protein. It was found that 4 per cent of steamed bone meal and 1 per cent of salt supplied the mineral needed, when 20 parts of meat scrap were replaced with 20 parts of soybean oil meal.

One interesting point brought out during the investigation, which is being continued for another year, was that it is possible to overdo the matter of mineral feeding. When 4 per cent of bone meal was added to a ration containing 20 per cent of commercial meat scrap, the chickens did not grow normally and showed symptoms of leg weakness closely resembling rickets. If the bone meal was removed by the time the chicks reached four weeks of age, they seemed to make almost complete recovery.

In another trial the amount of steamed bone meal fed to different lots of chicks was varied from 2 per cent to 10 per cent. Chickens getting the higher percentage of bone meal grew very slowly and showed a high mortality. It may be a serious mistake to add a mineral mixture to the ration of chickens that are already getting the few minerals required by range-reared farm flocks.

Miami, Okla.—William A. Braman, 77, early resident of this town, and operator of one of the first feed mills in Miami, died recently. He is survived by one son and two daughters.

Only Quality Materials Used in Poultry Feed.

Grain Dealers Journal: A pithy little paragraph in the October 10th Journal has caught my eye. It reads as follows, verbatim:

"Screenings from the cleaner will only pay its way when put out again in some form of a poultry feed."

Now, I do not know who is the author of the above paragraph, but I wish to show he, she, or they, as the case may be, the error of their ways!

Screenings from the cleaner should never constitute any part of a poultry feed. They might be used quite advantageously in making up a cheap molasses feed for stock or dairy cattle, but chickens are made of finer stuff—and require only good, re-cleaned ingredients in their ration.

The public is inclined to believe that elevator and flour people make a habit of manufacturing our poultry rations from our left-overs—in fact, they are led to believe this by those who would knock our products—however, reliable, well-established poultry feed manufacturers would never think of using screenings in either their scratch grains or mashes, and those who habitually manufacture cheap-john feeds from screenings are the greatest enemies of the mixed feed business. It has often been said that "a burnt child dreads the fire"—and people who have been "stung" by the said cheap-john poultry feeds are always the hardest people to sell on a real, honest-to-goodness balanced ration.

We feel that the paragraph in your issue of the 10th was an error, because of lack of understanding of the true situation, rather than an error of intent, and we are glad to correct you on same!—Sister Sue, Kimball Milling Co., Fort Worth, Tex.

Making a Fortune in the Feed Business

From Address by S. T. Edwards, Chicago, Ill., before Ohio Grain Dealers Ass'n at Columbus, O.

Fortunes are being made every year in the feed business. The money is there and it is easy to find those who have made it. It is just as easy to find others who are on the short side, and we will analyze the reasons later on.

Do you ever stop to think of the changes that have taken place in the past twenty-five to fifty years? Here are a couple of good ones. See if you can't visualize from these, the remarkable changes in almost every industry.

From Hitching Posts to Air Ship Mooring Masts.—A recent issue of the Cleveland Plain Dealer published a cartoon of an old man making a "stump" speech—back in 1878. He was telling the other village powers this "If you would have our fair village grow and take its just part in the rich years that are before us, 'we gotta' have more hitchin' posts." Just a few more hitching posts was his idea of putting the town over big. The upper portion of this same cartoon showed the same town, fifty years later, but there were steel hitchin' posts to tie the air horses to, like the huge Zeppelin that brought Dr. Hugo Eckener over here from Germany.

Bran Was Dumped in River.—Here is another one, close to our subject, that has developed in just about the same length of time. In 1883 I saw choice wheat bran, made in the mills at Minneapolis, blown into the Mississippi River. I could get all I wanted, just by hauling it away. This was fancy bran with no mill run screenings in it either. Talk about fillers for feed—that's what we called bran in 1883. We had to beg our customers to take it, and we sold it delivered in Chicago as low as 25c to 50c per hundred pounds. Last week I bought some of the same kind of bran in a Cleveland hotel, put up in a nice little individual package. Here is the same bran, done up as a fancy breakfast food, and we pay 25c for a serving. Deducting possibly 20c for cream and service, we pay 5c for 2 oz. of bran, or \$40 per hundred pounds, \$800 per ton. So you see in less than fifty years science, system and service have changed a supposedly worthless product to a value far greater than the original product from which the bran came.

Science, food and feed system engineering have discovered a wonderful value in bran, and the same high values are being discovered in by-products of all kinds today, which not so long ago were wasted.

I believe the greatest field is the feeding of animals and poultry. That's where much of our quality food is first developed.

You know we all feel that we can say things at home that might start fireworks some place else, so first I want to prove my right to call this state, and even this city, my home.

I am a "Buckeye"—born in the now noted Brunson haunted house in North Fairfield, Huron County, Ohio.

There was another man born in Marietta, Ohio, on the same Sunday morning, Aug. 27, 1865. I moved to Chicago and he followed. He moved to Evanston—I followed. His business some of the time is at Monroe and La Salle streets and mine is at Monroe and Dearborn. I guess he got ahead of me in one thing, however, for he was elected Vice President of the United States. My record as a Republican dates back to my first vote in 1886. That's as far back as he can go too. Still I can go him one better for my father was a Republican and was postmaster of the House of Representatives at Columbus, Ohio, in 1860, so you must admit I am right at home in Ohio even tho I have been away a good while and busy in working at my subject, "Making a Fortune in the Feed Business."

My first important work was on the farm at North Fairfield. I was in the dairy business, in fact I lived on milk altogether for nearly two years. Here is actual evidence, my first pair of boots, a swell pair of red top patent leather boots that fit me when I was in the milk business in 1866 and 1867. I have been busy pushing the milk business ever since.

Profit in Volume of Grain.—I know you have grown in the grain business like every other line—more elevators, better machinery, etc., but your business is limited. You are handling a line of raw material that must be moved in volume to make anything. Your only asset is excellent service, good judgment of quality, and personality. These are what hold the trade. If you stop doing business you are quickly forgotten. You know there would not be one call for your No. 2 yellow corn, because the buyer can get the same thing from fifty others. To be sure, yours is graded, but it bears no brand or trademark.

Rendering real service in the grain business is of considerable value, but your place is being

filled by the grain departments of the feed manufacturing concerns of today. There are a good many feed concerns that have first-class facilities for handling and storing 500,000 to 1,000,000 bushels of grain, in addition to all other commodities.

Your service in handling grain for the feed manufacturer is a good deal like the property man in a show. You furnish the grain but the manufacturer who makes the scientific feed gets the credit. His scientific feed makes the animals and poultry thrive better, and produces more meat, milk and eggs. In other words, the feed manufacturer is riding around in the ring, in view of all, with his branded feeds emblazoned on every side. You are back in the tent, carrying feed and water to the elephants. You see there are two kinds of "hitching posts" in every kind of business.

Don't think I am opposed to the grain man. We need all of the A1 grain companies who are rendering a real service. I have been in the grain business on the Chicago Board of Trade, and understand some of the conditions.

Not So Easy to Make Feed.—We have all heard the machinery salesmen telling how easy it is for the grain man who buys grain of the farmers to get into the feed business. He says that all you need to do is to buy one of their mills and batch mixers and go after the business; forget about formulas, branded bags, state licenses, and all that. The farmer tells you what he wants, you simply grind and mix the feed for him. You are simply working for the farmer, making what he tells you to and you don't know whether the feed is any good or not.

This is all wrong, according to my judgment. This making a different feed mixture for every farmer, from many articles that you must purchase in LCL lots, runs the cost up. You never know what articles to buy when the market is low, because someone else is dictating the formulas. Then, too, the farmer is always changing his formulas. When the prices of the different products change, you hold the bag on the high priced materials on hand. Another thing is that the feeder upsets his stock when he keeps changing to different mixtures of feed. If you were making your own line of feeds you would know what articles were included and you could buy to advantage.

Act As a Distributor.—If you have any idea of going into the feed business you should go into it right, or act as a distributor for some good manufacturer who will supply the best feeds that science and machinery can produce.

The farmers and feeders are learning that not all feed is the best feed. They see that the formulas supplied them from general sources are often out of line, not because the articles named are not first-class, but because the one supplying them has no knowledge of the market situation, the sources of production, cost of milling some formulas as against others, and many other conditions. All of these add to the cost.

The modern plant of today is turning out twenty to twenty-five different feeds, all made expressly for certain growth and production.

The Up-to-Date Feed Plant.—Designing, building and equipping an up-to-date feed plant to operate economically requires:

A full set of at least 20 high quality tested formulas, complete to fit the requirements of the district you are serving. Careful consideration should be given to see that all articles most available in your locality be used in as large amounts as possible in the make-up of your quality feeds.

Specific machinery must be chosen to make every one of these feeds as near the proportions required to make an average day's run of assorted feeds.

A complete system should be planned, as many of the articles that are milled are separated and used in varying proportions in as many as eight different feeds. In other words, a well balanced mill is one where all the departments co-operate and the grinding and mixing equipment is so arranged as to prevent the mixing department standing idle, waiting for some other department to catch up.

The purchasing department must be careful to see that every article required in the feeds is on hand and careful attention must also be given in the sales department to prevent swamping the mill with unprofitable orders, as in the manufacture of certain feeds there is considerable by-product, like corn feed meal, that must be disposed of in other feeds, or the profits in the original sale is lost.

This "Making a Fortune in the Feed Business" takes considerable study or you will not

get in on the real velvet. Just take, for instance, one good feed, and start with the purchase of all the raw materials, the milling of each article, the kind of machinery best adapted for the mixing, and then be able to tell the feeder how to use it. Don't forget, you must produce more in growth and production than the feeder is securing from his method or you are thru.

The Farm Bureau, like the G. L. F. and Eastern States Federation, find it cheaper and better to have a regular plant and do business on a regular business basis. Other farm bureaus are having a full line of feeds manufactured for them, and they do the distributing.

I can name plants that are turning out over 200 40,000-pound cars of feed per week. That would keep some of your elevators busy on grain going in one side of the elevator and out of the other, to say nothing of ten different kinds of feed in each car and some single feeds containing fourteen different articles. That sounds like a lot of detail, but we have machinery now that will measure accurately as many as twenty different articles for one feed, including molasses, and will produce twenty bags per minute, accurately weighed, sewed and delivered into a car, ready for piling.

We have new molasses machinery that will maintain the heat of molasses regulated by thermostatic control, and will spray into a molasses feed mixer any amount from 6 pounds to 350 pounds per minute. By pressing a button you can trip the test gates and get an exact weight sample of every article, including the molasses.

The production received from the finest feed, in conjunction with good breed and first-class care, will revolutionize the farm methods of feeding, I feel sure.

Program of Feed Control Officials.

The Ass'n of Feed Control Officials of the United States has announced the tentative program for its annual convention scheduled this year for Nov. 1 and 2 at the Hotel Raleigh, Washington, D. C.

Round-table discussions and registration will take up the forenoon of the first day. In the afternoon the regular convention opens, with the welcoming address, the reports of the pres. and sec'y, the appointment of com'ites, and talks by Dr. E. M. Nelson, of the Bureau of Chemistry and Soils, on "Cod Liver Oil in Feeds" and G. L. Bidwell of the cattle food laboratory of the Department of Agriculture, on "Sampling of Feed."

The following morning addresses will be made by Dr. E. B. Forbes, of the Institute of Animal Nutrition, Pennsylvania State College; W. E. Suits, pres. of the American Feed Manufacturers Ass'n; and Lynn Townsend, sec'y New England Retail Grain Dealers Ass'n.

The afternoon will be devoted to com'ite reports, election of officers and other business.

Supplements for Various Roughage.

Since the feeding qualities of ordinary hay or roughage varies, wise feeders select supplements calculated to balance properly the rations of the animals they are feeding. Here is a ration for the milking cow which is advocated by the Linseed Meal Educational Com'ite and has met with considerable success.

Grain mixture.	Hay fed with corn silage.			
	(1) Timothy or prairie, lbs.	(2) Mixed clover and timothy, lbs.	(3) Clover, lbs.	(4) Alfalfa, lbs.
Ground corn, hominy or barley	200	200	200	200
Ground oats	300	200	200	300
Wheat bran	200	200	100	200
Linseed meal	300	200	100	100

Feed 1 lb. a day for each 3 lbs. of Jersey or Guernsey milk, or each 4 lbs. of Holstein or Ayrshire milk.

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Feedstuffs

Portland, Ore.—Hogan-Jacobs Feed Co.'s plant was damaged by fire recently.

Columbia, Tenn.—W. N. Butler & Co. will build a new \$10,000 meal and feed mill here.—P. J. P.

Friona, Tex.—H. W. Stark has leased the feed mill formerly operated by J. T. Ware & Son here.

Jefferson, O.—Machinery for grinding and mixing animal feeds has been installed by L. C. Douglass Co.

Minneapolis, Minn.—Henry Bergman recently completed ordering the machinery for his new linseed plant.

Carbondale, Pa.—The feed mill of the Carbondale Milling Co. has been remodeled and new bearings installed.

Cainsville, Mo.—A mill for grinding corn meal and stock and poultry feeds has been installed here by J. W. Weldon.

Brooklyn, N. Y.—The feed mill of F. H. VonDamm has been completely remodeled and new milling and mixing machinery installed.

Van Alstyne, Tex.—Molasses mixing machinery for the production of sweet feeds has been installed by the Celina Mill & Elevator Co.

Oxford, N. Y.—Molasses mixing equipment and a new ball-bearing corn cutter have been installed in the local plant of C. L. Hallock.

A com'te on terminology for the National Poultry Congress is working on terms for use in the poultry industry and feedstuffs used for poultry.

Dublin, Tex.—A stock feed manufacturing and peanut shelling plant has been established here by the Woldert Peanut Products Co.—P. J. P.

Memphis, Tenn.—Crump Bros. are building a one-story iron-clad feed mill. Anglo-American Mill Co. is supplying the grinding equipment.—P. J. P.

Centerville, S. D.—Allen H. White, operator of a feed mill here, has filed a petition for bankruptcy. His assets are listed at \$3,729; liabilities at \$14,211.

Schenectady, N. Y.—A molasses mixing machine has been installed by James G. Hilderbrand here, to augment his other grinding and mixing activities.

Waterloo, Ill.—All kinds of dairy and cattle feed will be manufactured in the remodeled plant purchased by the Monroe Milling Co. from the Waterloo Milling Co.

Greenwood, Miss.—Leflore Milling Co., Inc., has been organized here by W. M. Blaine and Fred Poole to establish a food and feed products plant.—P. J. P.

Peoria, Ill.—During the month of September, Peoria received 28,060 tons of mill feed, compared with 27,790 a year ago. Shipments were 37,282 tons, compared with 37,999.

Utica, N. Y.—Alfred Geer, feed and flour broker here for many years, died at his home following protracted illness. He was in his 80th year and had been in retirement for some time.

Atchison, Kan.—The new warehouse of the Blair Elevator Co. is practically completed. Rapid progress is being made on the new meal and feed plant of the Pillsbury Flour Mills.

Mt. Upton, N. Y.—The feed mill of H. B. Curtis has been remodeled, electric motors have been installed to replace the gasoline engine, and a new attrition mill put in to aid in grinding.

Milwaukee, Wis.—John Marschang, formerly connected with the Albert Dickinson Co.'s Minneapolis office, is now head of the cod liver oil department of the La Budde Feed & Grain Co.

College Station, Tex.—The Texas Agricultural & Mechanical College has announced establishment of a permanent feed conference board to pass upon formulas for special purpose feeds.

Sidney, N. Y.—The Brown Feed Mill here has been purchased by B. L. Dutcher of Owego, who has installed a new feed grinder, a corn cutter and a vertical feed mixer in preparation for operation.

Altamont, N. Y.—Ward G. Ackerman, who bought out the Fort Orange Feed Co. when their old mill burned some months ago, has completed installation of machinery for grinding and mixing in his new mill.

Munnsville, N. Y.—Contract has been placed by the Empire State Alfalfa Mills here for a complete new feed plant to replace the one which burned about two years ago. Sprout Waldron & Co. will furnish machinery.

Castile, N. Y.—The Hopkins Flour & Feed Mills plant has been closed down. Miles A. Hopkins, who had followed his father, the founder, in its century of operation, died last month as reported in the Sept. 25 number of the Journal.

Devine, Colo.—Fire razed the properties of the Avondale Milling & Elevator Co. here late last month, including about 150 tons of dry alfalfa. Loss was estimated at \$30,000. The question of rebuilding has not yet been decided.

Minneapolis, Minn.—The Washburn Crosby Co. "A" mill, which was destroyed by fire the 16th of last month, will be rebuilt on the same site. Reconstruction will include a feed mill unit with the latest developments in feed milling machinery.

Buffalo, N. Y.—Action of the City Council in denying the application of the Wayne Feed Mills for permission to build a railroad switch to the new \$250,000 plant they are building at the foot of Smith St., was vetoed on appeal of the company's officials to Mayor Frank X. Schwab.

Council Bluffs, Ia.—The Georgie Porgie Co., Inc., has been incorporated with \$25,000 capital stock to buy, manufacture and sell cereals, grain food products and other items. R. D. Savage, Geo. F. Hughes and J. A. Williams are the incorporators.

Sioux City, Ia.—The feed plant of the old Akron Mill recently leased by J. J. Mullaney, as reported in previous numbers of the Journal, is being completely remodeled and latest type manufacturing and handling equipment is being installed. When completed this department will be in charge of John T. Ashford.

Shelton, Neb.—E. W. Nelson Co. has completed its new alfalfa meal mill and put it in operation. It has capacity for 25 to 30 tons of alfalfa per day and its corn grinder will handle about 2,500 bus. A steam plant and molasses mixing equipment has been installed for making sweet feeds.—P. J. P.

New Brunswick, N. J.—The New Jersey Feed Dealers Ass'n held its 6th annual convention at the Hotel Klein here on Oct. 10. The program was confined to practical material which dealers could apply in the operation of their own establishments. Among the speakers were H. J. Baker, W. C. Skelley, C. B. Bender and C. S. Platt of the New Jersey College of Agriculture.

Peoria, Ill.—The American Milling Co. plans to increase its capital stock from \$3,000,000 to \$5,000,000 and increase the par value of shares from \$10 to \$25 to facilitate listing of its stock on the New York Stock Exchange. The proposal was submitted for approval of stockholders at a special meeting on Oct. 22.

Emira, N. Y.—Baker Bros. are planning to rebuild their feed mill which was recently destroyed by fire.

Greensboro, N. C.—The Piedmont Millers Ass'n will hold its next meeting at the O'Henry Hotel here on Nov. 16.

Buffalo, N. Y.—Clarence W. McClusky, 53, sec'y of Mann Bros. Linseed Co., was killed in an auto accident on Oct. 7. The car in which he was riding was struck by another car while on a viaduct, and was forced over the side. Mr. McClusky sustained a fractured skull. A widow and five children survive him.

Terre Haute, Ind.—Geabes Bros., who have the Clay City Roller Mills, recently bought the local properties of the Blackhawk Flour & Feed Co. and Illinois and Indiana rights on the distribution of flour and feed which the company had been jobbing. Stephen Geabes will be in charge of this addition to the business.

Evansville, Ind.—Corn meal manufacturers in this section report their trade brisk and most of the mills are being operated on full time. Corn meal manufacturers have been bringing in yellow corn from the west. They are trying to induce the southern Indiana farmers to raise more yellow corn instead of the white corn. They say that yellow corn contains more food values and is best for the making of meal.—C.

Marion, N. Y.—We have organized a millers ass'n in Wayne County and vicinity, composed entirely of millers and feed dealers. Among our first planned acts is all going on a strictly cash basis on all local business to farmers and consumers, retail stores excepted. Chas. L. Seybold is pres. and T. A. Wilson, sec'y. A com'te has been appointed and is now working on a name for the new organization.—Chas. L. Seybold.

GRAIN DRIERS

for

**COARSE GRAINS,
SEED CORN,
BEANS,
PEAS, ETC.**

ROTARY DRIERS

for

MEAL, GRITS, STERILIZING PACKAGE GOODS, ETC., AND GRANULAR PRODUCTS OF ALL KINDS.

We would be pleased to correspond with you.

ELLIS DRIER WORKS

Division G. L. M. Corp.

1223 S. Talman Ave., Chicago
210 N. 13th St., Philadelphia, Pa.

Kansas City, Mo.—The Nutrena Feed Mills recently installed a No. 4 type W, direct-connected Jay Bee Hammer Mill.

Veedersburg, Ind.—The Veedersburg Roller Mills will henceforth manufacture a line of feeds under the personal supervision of its new owner, Percy Bish.

Cokato, Minn.—The Cokato Grain & Market Co. is building a three-story addition to its present plant, for feed grinding and manufacturing dairy feed and poultry scratch. A grain cleaner is also being installed.

Binghamton, N. Y.—The properties of the Ah-wa-ga Milling Co. were destroyed by fire on Oct. 11 with loss estimated at \$200,000, partially covered by insurance. The burned buildings were known as the Empire feed mill and elevator. The plant is expected to be rebuilt.

Crawford, Neb.—Extensive improvements have been made in the Crawford Mills, by the operators, the D. J. Toomey Milling Co. An addition is being made to the bulk grain storage facilities and considerable new machinery is being installed for the manufacture of feed, flour and meal.

Atlanta, Ga.—A meeting will be held by the officials of the State Food Inspection Department with representatives of Georgia flour and feed mills for the purpose of rescinding the 1927 order of the Department requiring registration of the protein content of wheat feed. It was thought the old order would be automatically cancelled when the new crop was brought on the market, but it has been learned official action will be necessary.

Kansas City, Mo.—Work has begun on remodeling the properties of the old Atlas Cereal Co., which were purchased by the Rudy-Patrick Seed Co. a few weeks ago as a part of its expansion program. The site has 55,000 sq. ft. of ground with several railroad switches and is covered by a 250,000 bu. grain elevator and warehouses with a total of 100,000 sq. ft. of floor space. As soon as remodeling work can be completed the properties will be put in operation manufacturing additional quantities of the Rudy-Patrick Seed Co.'s brands of mixed poultry and stock feeds.

Buffalo, N. Y.—Completion of our new Wayne Feed Mills plant here is expected shortly after Jan. 1. H. D. Egly, vice-pres. and general production manager of the McMillen Co. is directly in charge of the construction. This plant will enable us to better serve eastern territory. The new mill is being built of reinforced concrete and will have about the same storage and manufacturing capacity as our Fort Wayne plant. It will be equipped with the latest approved types of machinery for manufacturing our complete line of poultry, dairy, calf, stock, horse and hog feeds. Privately owned railroad tracks for loading and unloading will provide storage for about 80 cars.—D. G. Sheldon, The McMillen Co.

HIAWATHA GRAIN CO.

MINNEAPOLIS, MINN.

Grain, Screenings, Mill Oats

GROUND FEEDS

Straight Oats Mixed Oats
Operating HIAWATHA MILL

CALCIUM CARBONATE

Bone Meal, Bone Black Charcoal, Oxide of Iron, Sulphur, Glauber Salts, Epsom Salts, Pott. Iodide and the other Mineral and Remedy Materials, as well as Liquid and Dry Dip. Straight, Pool Cars or L. C. L. Shipments.

ROY A. SCOFIELD CO.

Council Bluffs, Iowa

Rations for the Farm Flock.

The poultry caretakers of the average farmer's family have come to increasing knowledge about how to make their flocks profitable. Information has been placed at their disposal in sufficient quantity thru various forms of publication and educational agricultural organizations so they have been unable to avoid acquisition of some of it. Further, the efforts and profits of ambitious neighbors has proven a sharp incentive to attain equal results.

The country elevator operator has proven and continues to prove an important factor in the development of poultry raising and egg production. With his grinding and mixing machinery and his side lines of concentrate ingredients it has been to his interest to foster and encourage profitable handling of poultry. In line with these interests he has oftener than not acquired knowledge regarding feeding which puts him in the position of advisor in his community and his patrons are constantly calling on him for advice in their feeding problems.

The ordinary farm flock is raised under quite different conditions than other commercial flocks. Some of its forage is picked up about the farm and plenty of exercise and sunlight is usually offered by free range. This, however, is not enough. Additional feeding is necessary to profit.

A good laying mash for use with farm flocks which has proven itself in results is composed of 300 lbs. ground corn, 200 lbs. ground oats, 100 lbs. bran, 100 lbs. middlings, 50 lbs. linseed meal, 150 lbs. meat scrap, 20 lbs. mineral mixture, 7 lbs. iodized salt. A scratch feed should also be fed and may be readily prepared with the most available grains. One commonly used is made up of 200 lbs. of corn, 200 lbs. of wheat and 100 lbs. of oats.

A recommended form of mineral mixture for use in the above laying mash is made up of 40% ground limestone and 60% steamed bone meal. There are several more complicated and very highly efficient commercial mineral preparations on the market which have given astonishing results when compared with rations deficient in mineral matter. The importance of minerals in the poultry rations has become well established. A plentiful supply of grits and crushed oyster shell is also necessary for laying hens.

Hens need sunshine, principally for the vitamins it affords. Without it they lose in efficiency and the poultry raiser loses in profits. When sunshine is not available, as in long periods of cloudy weather, the deficiency may be supplied with cod liver oil. Some poultry men use it thruout the winter season and recommend adding ½ to 1 pint of the correct grade to each 100 lbs. of laying mash. Cod liver oil is now obtainable in commercial grades, in either

liquid or powdered form, at prices which make its use an economy.

Careful study of the feeding problems of his patrons and honest effort to meet their needs will prove profitable to operators of grain elevators and custom grinding plants.

New Trade Marks for Feedstuffs.

The McMillen Co., Fort Wayne, Ind., has filed trade mark No. 271,703, the word "Jumbo," for poultry, dairy and stock feeds.

Big Diamond Mills Co., Minneapolis, Minn., has filed trade mark No. 236,110 for wheat offals. It is composed of the lettering, "Big Diamond" superimposed over a representation of a diamond in a suitable setting.

Moorman Manufacturing Co., Chicago, Ill., has filed trade mark No. 270,495 for mineral feeds for hogs, poultry, cattle, sheep and horses. The wording "Moor Man's" is imposed on a blue background, which is imposed on another background of vertical red stripes.

The Pittsburg Elevator Co., Pittsburg, Kan., has filed trade mark No. 268,936, the word "Peco" for mixed feed, horse feed, horse and mule feed, grit, barley chop, dairy feed, chick fattener, chick starter and grower, egg mash, corn feed meal, ground oats, ground kafir, rye chop and pigeon feed.

United Bi-Products Co., Kansas City, Mo., has filed trade mark No. 263,187, a drawing in black and white showing a trough heaped with feed and three pigs dancing happily on their hind feet behind it. Paneled at the top of the art work are the words "Success Brand Concentrate." The trade mark is specifically for pig and hog feed.

J. P. PARKS

MILL FEEDS

Dried Buttermilk—Linseed & Cottonseed Meal
Brokerage Exclusively
400 New England Bldg. Kansas City, Mo.
327 So. La Salle St., Chicago, Ill.

STANDARD COMMISSION CO.

BROKERS

Grain, Mill Feed, Mixed Feed Ingredients

EXCHANGE BUILDING

MEMPHIS

WET MILLERS

I want to buy wet grain residues.

What have you?

E. O. WHITE, DANA, IND.

BOWSHER Crush Feed Mills Mix

Rapidly crush ear corn (with or without husk) and grind all the small grains; either separately or mixed—mixed as they are being ground—not before or after. This saves time and labor.



"COMBINATION" MILLS
Use the famous Cone-Shape burrs. Light Draft. Large Capacity. Solidly Built. Long Life. Special sizes for the milling trade. Sacking or Wagon Box Elevator. Circular on request.

The N. P. BowsHER Co., South Bend, Ind.

FAIRMONT'S

Pure Flake
Buttermilk

9 Large Plants
Excellent Service

THE FAIRMONT CREAMERY CO. U.S.A.

OMAHA, NEBRASKA

Feed Grinder

Feed Mill and Elevator at Osceola, Nebr.

W. E. Pierson, formerly manager of the Farmers Elevator at Osceola, Nebr., purchased the idle properties of the old Nelson Mill & Elevator Co. at Osceola from a trader early in 1926. Inspection showed he had obtained a 35,000 bu., 40x20 studded elevator with one leg and machinery including a 5 h. p. General Electric Motor, a grain cleaner and a 30,000-lb. Fairbanks Hopper Scale. In a 20x62 ft. warehouse and mill building adjoining was a 25 bbl. Midget mill, a hopper and a couple of mill legs.

Careful consideration had been given the problem of what to do with the properties after they had been obtained. Mr. Pierson's territory had developed along diversified lines until a great deal of hog and cattle feeding was being done. Accordingly he established as W. E. Pierson Flour & Feed Co. and his first act was to remove the idle flour mill and install a No. 3 Jay Bee Hammer Mill and a 40 h. p. Fairbanks-Morse Motor. A belt drive was arranged for operation of this machinery and one overhead bin served the mill. Shortly thereafter a corn cracker and grader and a 10 h. p. General Electric Motor to operate it were installed.

Mr. Pierson's venture grew. He had an excellent business thru the elevator and his hammer mill was kept busy. This gave him courage for his next move, necessitated by the growth of feeding. Little more than 18 months after making the original purchase, a second No. 3 Jay Bee Hammer Mill and 40 h. p. Fairbanks-Morse Motor were installed. The belt drive had been found unsatisfactory for the most efficient operation, so at this time the motors were moved close to the mills and Tex-rope drives applied.

The number of bins was increased from one to eight, four for raw grain served thru spouting from the elevator, and four for ground feed. These latter were fitted with spouts to permit sacking or to deliver direct to the patron's wagon in bulk. Feeders were placed over the hoppers of the mills, fitted with magnets to remove tramp iron.

Another improvement was effected in February of 1928 by installation of an 800-lb. vertical batch mixer, operated from the line shaft and motor serving the corn cracker.

The possibilities in mixing and selling molasses had come to the attention of Mr. Pierson. At this time also he put a 9,000 gal. steel tank under the mill building so he could purchase this commodity in tank car lots. A molasses mixing machine and a pump and meter was put in to accommodate local trade in the preparation of sweet feeds. The pump was arranged with a valve to permit filling barrels for the retail and jobbing trade. A little later Mr. Pierson plans to install a steam plant so this mixing process using molasses can be operated as efficiently in the winter as in the summer.

The elevator and mill are operated on a kilowatt power rate of 5 cents for the first 250, 4 cents on the next 250, 3½ cents on the next 500, 3½ cents on the next 1,500, and 3 cents on all over. Charges for grinding are 18 cents a hundred on straight oats, 15 cents on mixed corn and oats, 10 cents on ear corn, 15 cents on cracking corn in small lots, 12 cents on cracking corn in wagon load lots, 10 cents straight on mixing. No extra charge is made for sacking, tho the patron must furnish the sacks. If he has none Mr. Pierson is prepared to sell them to him at the market.

A consistent growth in grinding and mixing for the farmers has been manifest. The tendency on the part of feeders to have their own formulas prepared thru the grinding and mixing machinery of the mill is rapidly developing and is the primary cause for the installation of mixing machinery. The use of molasses as an appetiser has proven a way to make cattle

consume greater quantities of feed and produce better gains and more profit for the feeder so this business has grown by leaps and bounds.

A laying mash is the only commercial feed prepared by Mr. Pierson under his own formula. He jobs and retails one of the leading brands of commercial feeds in addition to concentrate ingredients such as tankage, oil meal, bone meal, meat scrap, oyster shell, minerals, etc.

The possibilities in feed grinding and mixing, preparation of private formulas, retailing and wholesaling of concentrate ingredients to supplement home grown grains in feeding and diversified farming sections are manifest. Mr. Pierson has been quick to perceive them and just as quick to take advantage of them. Few feeders and fewer farmers can afford to equip themselves with the necessary machinery for thoro and accurate grinding and mixing. Consequently they are anxious to take advantage of such facilities wherever they are made available.

CHICK - FEEDS

Starting and Growing Mashers
Emery Thierwechter Co.
Oak Harbor, Ohio

SHIPPERS OF

RED DURUM

Sulphured and Natural Oats
Barley Buckwheat and other
grains for poultry feed

ARCHER-DANIELS-MIDLAND CO.

Grain Department

MINNEAPOLIS, MINN.

Elevator Capacity, 2,500,000 Bushels

"Feeds and Feeding"

ILLUSTRATED
19th Edition

By W. A. Henry and F. B. Morrison.

The recognized authority on feeds and feeding. Careful study of this book by elevator operators who grind and mix feeds will place them in better position to advise their farmer patrons as to the best in feeds. Keep it in your office within easy reach of your patrons and encourage their reading it.

Contains valuable formulae and suggestions on feed ingredients, proportions, etc.

Price \$4.50, f. o. b. Chicago.

Grain Dealers Journal
309 S. La Salle St., Chicago, Ill.



W. E. Pierson and His Elevator at Osceola, Neb.

PRINTED, UNPRINTED
BURLAP BAGS COTTON

NEW or SECOND-HAND NEW ORLEANS

MENTE & CO. INC. BAGS

I. T. RHEA
Pres.

SAVANNAH
DALLAS



30 Days TRIAL

to prove its worth



The Diamond Shredder Type Ear Corn Crusher

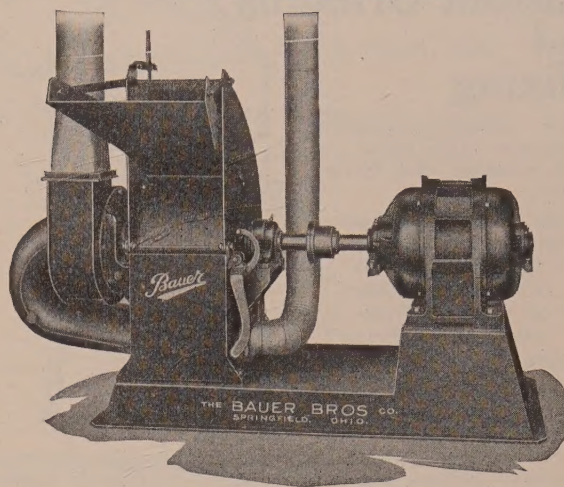
This machine has ample capacity, operates with small power, and handles all classes of ear corn in all conditions. It makes no difference how large the ears are, nor how wet they are.

We will gladly ship this crusher to any reliable feed miller on thirty days free trial, with our full assurance that it will give absolute satisfaction. Should it fail to do this, we stand ready to pay the freight charges both ways. Write us today.

DIAMOND HULLER CO., Mfrs.
Winona, Minnesota

Established *Bauer* 1878

HAMMER MILL

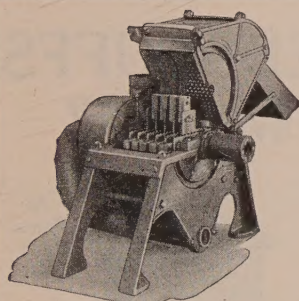


Ball Bearing Alemite Lubrication
MOTOR, BELT or TEX-ROPE DRIVE

All Steel Construction, Welded Seams and Joints.
Cast Steel Meal Duct and Fan, Dustless Cyclone Collector.

State capacity and style drive wanted.
Also "BAUER" Attrition Mills, Crushers, etc.

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AJACS Feed Grinders

are unexcelled for grain elevator or feed mill use. Remarkable capacities are being secured by users. Write for full details.

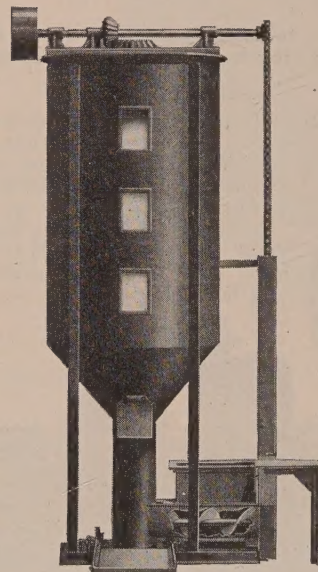
Manufactured by

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HAINES FEED MIXER



Mixes rapidly, thoroughly and uniformly.

Mixing always visible. Vibrating Sacking Platform.

A self-contained unit shipped completely assembled ready for operation as soon as connected to power.

No elevator required.

No special millwright labor needed.

Send for Bulletin No. 15-G

THE GRAIN MACHINERY CO.

Marion, Ohio

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THE VALUE OF AN ADVERTISEMENT

Depends upon placing it before the right persons. You can get your advertisements before the grain dealers of the country by using this space.

GRUENDLER

for
Custom Grinding
and
Mixing

We furnish complete equipment and plans for feed grinding and mixing plants.

The Gruendler Positive Mixer does its job rapidly and thoroughly. Mixing can be done either dry or with molasses—no other mixer being required.

The Gruendler Special Whirlbeater—the result of 44 years' experience in the manufacture of swing hammer grinders—delivers a superior product at greater capacity per horse power than ever before attained, and places you far ahead of competition.

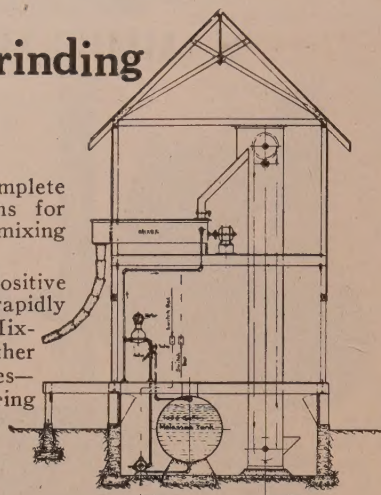
Built-in spout magnet and cast base are standard equipment.

America's Leading Hammer Mill
A Mill without a Competitor

Send for our latest bulletin also dry and molasses mixers and plans on mixing plants.

Established 1885

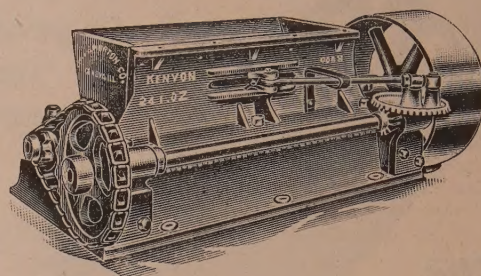
Gruendler Patent Crusher and Pulverizer Co.
1102 Landreth Bldg. - St. Louis, Mo.



For Either Husked or Snapped Corn

The **KENYON** CORN CRUSHER

Outcrushes them all



1. Occupies but 10 sq. feet of floor space and crushes from 100 to 150 bushels per hour.
2. Special agitator enables crushing of any kind or condition of corn without clogging.
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4. Long life—many have seen 16 years of service without repair.
5. Simple design and construction reduces wear to a minimum.

Write today for full information regarding this marvelously efficient machine.

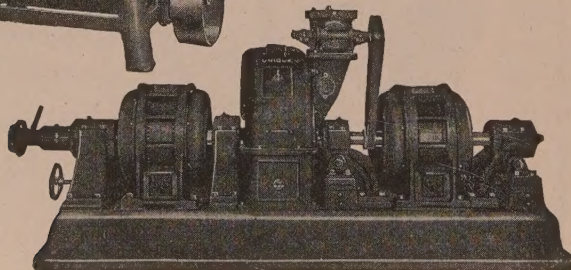
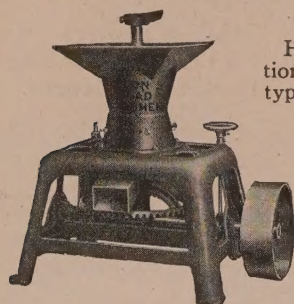
The Burgess-Norton Mfg. Co.
100-110 Richard St. Geneva, Ill.

OF COURSE YOU HANDLE FEEDSTUFFS! BUT WHAT PROFIT DO YOU MAKE?

We can show you how to make your own feeds at a good substantial profit and also increase your business by giving better service to the farmers in your community.

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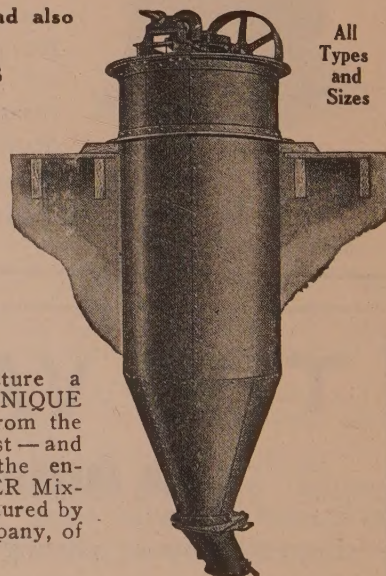
Here is a feed grinding combination which enables you to grind any type of feed the way customers want it ground. The UNIQUE attrition mill is known throughout the country as the mill that produces **MORE** and **BETTER** grinding **CHEAPER**.



FEED MIXERS

The **UNIQUE** Vertical Mixer is one of the most popular feed mixers on the market. The first cost is small—the machine is easy to install and economical to operate, and will mix all kinds of feeds at a profit for you.

We also manufacture a complete line of **UNIQUE** Horizontal Mixers—from the smallest to the largest—and recently took over the entire Line of **GARDNER** Mixers formerly manufactured by the Gedge-Grey Company, of Lockland, Ohio.

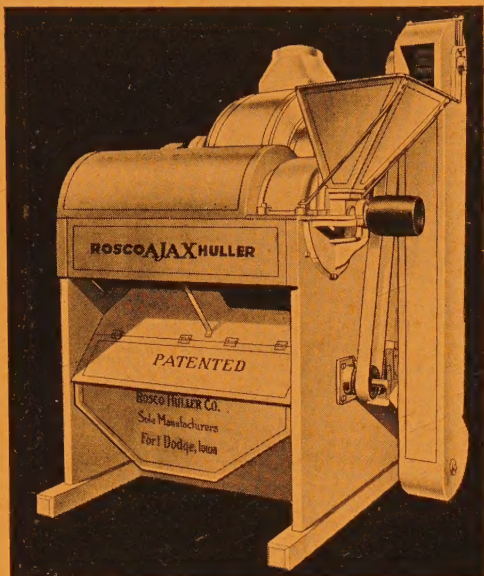


All
Types
and
Sizes

Let us show you the way to greater profits in handling feedstuffs. Write us for catalogs on **UNIQUE** Feed Milling Machines or get in touch with our representative.

ROBINSON MFG. CO., 42 ROBINSON BUILDING, MUNCY, PA.
CHICAGO OFFICE—222 W. ADAMS ST.

"Makes Clean Separation - Uses Very Little Power" Says Schaal Grain Co.



Roscoe Huller Co.,
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Woodward, Iowa.

Gentlemen:—

In regard to the Rosco-Ajax Huller we purchased from you, will say we are operating it and find it gives us 100% satisfaction. It will do all you claimed for it; it makes a good, clean separation; has never given us a minute's grief; is very simple to operate and uses very little power.

Anyone interested in an oat huller can make no mistake by buying a Rosco-Ajax.

Yours truly,

SCHAAL GRAIN CO.,
(Signed) D. F. Schaal

It is evident by the above letter and many similar testimonials that Rosco-Ajax lives up to our claims of simplicity, low operating cost and quality production of oat groats. Rosco-Ajax requires but 7½ H. P. to produce from 1300 to 1500 lbs. of oat groats an hour—yielding 60-75%. Increase your profits through production of oat groats for your own feeds or for custom hulling. Our service department will put you in touch with buyers of oat groats and hulls. Write today to

ROSCO HULLER CO.

123 Central Ave.
FORT DODGE, IOWA

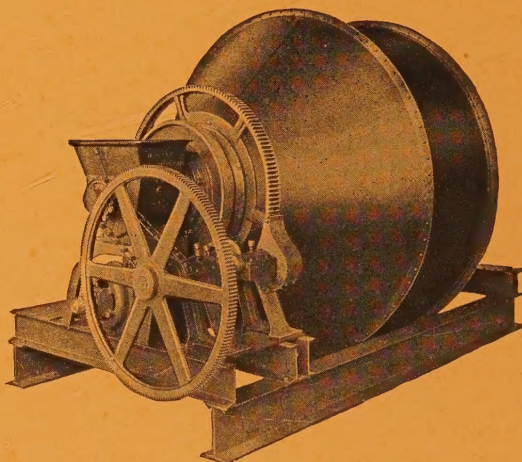
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HULLING - CLEANING - SEPARATING - IN ONE UNIT

"We were considering buying a feed mixer over a year before we did and in that time investigated several different makes, and finally decided on a Munson. And we do not feel that we made a mistake."

The above letter which came in unexpectedly from a Southern miller makes us feel that it is worth while to build high grade machinery, and at the same time demonstrates that the Munson Superior Batch Mixer will stand rigid inspection.

Why not use the coupon and get literature describing the Superior in detail?



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Munson Mill Machinery Co., Inc.

Established 1825

UTICA, N. Y.

Representatives: Strong, Scott Mfg. Co., Minneapolis, Minn.; F. J. Conrad, Cedar Rapids, Ia.; A. D. Hughes & Co., Wayland, Mich.

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Please send literature describing the Superior Batch Mixer.

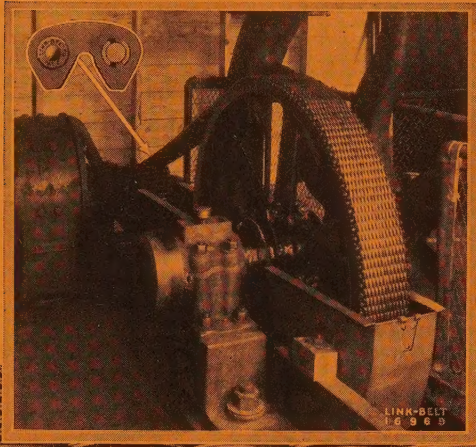
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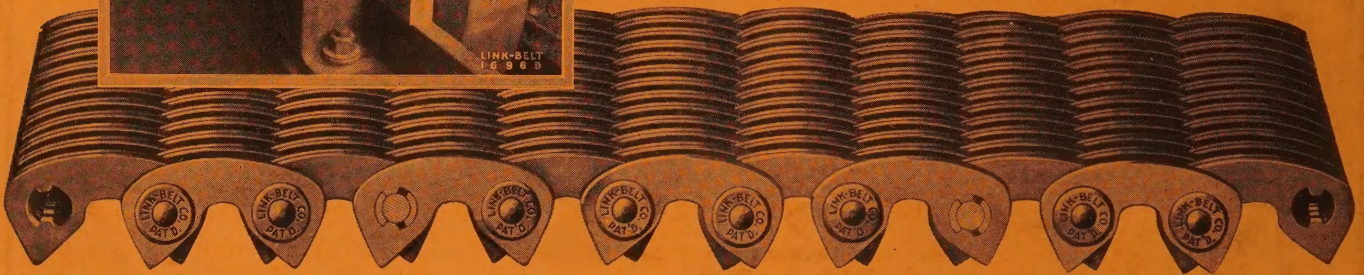
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LINK-BELT builds every type of efficient and positive power transmission for any horsepower; for high or low speeds; or for minimum or maximum reductions.

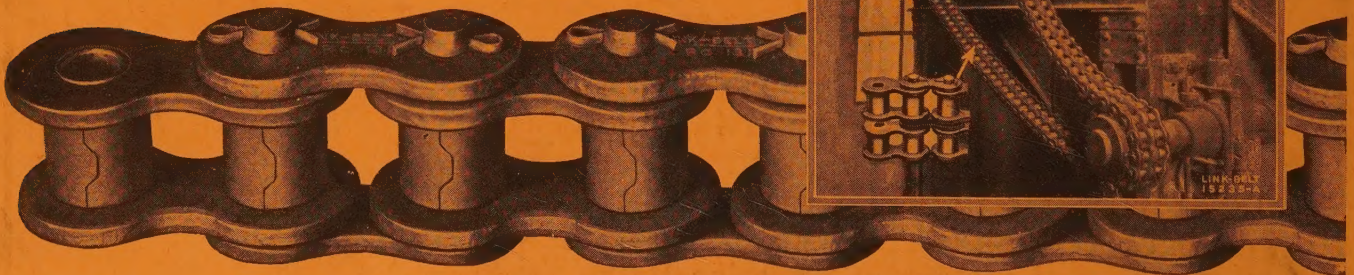
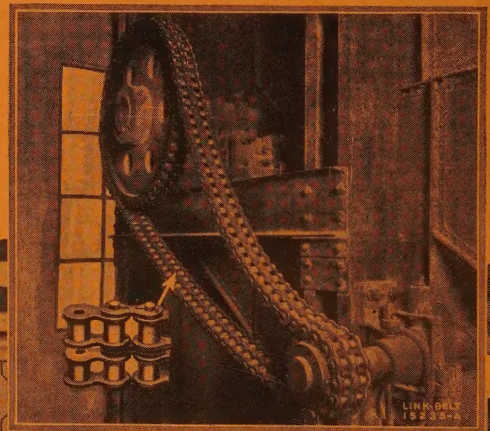


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